INFORMATION TO OFFERORS OR QUOTERS
SECTION A - COVER SHEET

Form Approved
OMB No. 9000-0002
Expires Oct 31, 2004

PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO THE ADDRESS IN BLOCK 4 BELOW.

1. SOLICITATION NUMBER	2. *(X one)*		3. DATE/TIME RESPONSE DUE
FA8722-04-R-0003		a. INVITATION FOR BID (IFB)	30 APR 2004
	X	b. REQUEST FOR PROPOSAL (RFP)	2:00 pm
		c. REQUEST FOR QUOTATION (RFQ)	

INSTRUCTIONS

NOTE: The provision entitled "Required Central Contractor Registration" applies to most solicitations

1. If you are not submitting a response, complete the information in Blocks 9 through 11 and return to the issuing office in Block 4 unless a different return address is indicated in Block 7.

2. Offerors or quoters must include full, accurate, and complete information in their responses as required by this solicitation (including attachments). "Fill-ins" are provided on Standard Form 18, Standard Form 33, and other solicitation documents. Examine the entire solicitation carefully. The penalty for making false statements is prescribed in 18 U.S.C. 1001.

3. Offerors or quoters must plainly mark their responses with the Solicitation Number and the date and local time for bid opening or receipt of proposals that is in the solicitation document.

4. Information regarding the timeliness of response is addressed in the provision of this solicitation entitled either "Late Submissions, Modifications, and Withdrawal of Bids" or "Instructions to Offerors - Competitive Acquisition".

4. ISSUING OFFICE *(Complete mailing address, including Zip Code)*	5. ITEMS TO BE PURCHASED *(Brief description)*
ELECTRONIC SYSTEMS CENTER AIR FORCE MATERIEL COMMAND, USAF HANSCOM AFB, MA 01731-2120____	Integrated Strategic Planning and Analysis Network Modernization (Architecture and Integration)

6. PROCUREMENT INFORMATION *(X and complete as applicable)*

X	a. THIS PROCUREMENT IS UNRESTRICTED
	b. THIS PROCUREMENT IS _____ % SET-ASIDE FOR SMALL BUSINESS. THE APPLICABLE NAICS CODE IS: _____
	c. THIS PROCUREMENT IS _____ % SET-ASIDE FOR HUB ZONE CONCERNS. THE APPLICABLE NAICS CODE IS: _____
	d. THIS PROCUREMENT IS RESTRICTED TO FIRMS ELIGIBLE UNDER SECTION 8(a) OF THE SMALL BUSINESS ACT.

7. ADDITIONAL INFORMATION

8. POINT OF CONTACT FOR INFORMATION

a. NAME *(Last, First, Middle Initial)*		b. ADDRESS *(Include Zip Code)*
JAMES A. HAMMOND		
c. TELEPHONE NUMBER *(Include Area Code and Extension)*	d. E-MAIL ADDRESS	See Block 4
781-377-3810 X	James.Hammond@hanscom.af.mil	

9. REASONS FOR NO RESPONSE *(X all that apply)*

	a. CANNOT COMPLY WITH SPECIFICATIONS		d. DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED
	b. UNABLE TO IDENTIFY THE ITEM(S)		e. OTHER *(Specify)*
	c. CANNOT MEET DELIVERY REQUIREMENT		

10. MAILING LIST INFORMATION *(X one)*

WE [ ] DO [ ] DO NOT DESIRE TO BE RETAINED ON THE MAILING LIST FOR FUTURE PROCUREMENT OF THE TYPE INVOLVED.

11a. COMPANY NAME	b. ADDRESS *(Include Zip Code)*

c. ACTION OFFICER

(1) TYPED OR PRINTED NAME *(Last, First, Middle Initial)*	(2) TITLE

(3) SIGNATURE	(4) DATE SIGNED *(YYYYMMDD)*

DD FORM 1707, FEB 2002 PREVIOUS EDITION IS OBSOLETE.

FOLD

FOLD

FROM

AFFIX
STAMP
HERE

SOLICITATION NUMBER FA8722-04-R-0003	
DATE *(YYYYMMDD)* 30 APR 2004	**LOCAL TIME** 2:00 pm

SOLICITATION, OFFER AND AWARD	1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)	RATING	PAGE OF PAGES
		DO-A7	1 | 42

2. CONTRACT NO.	3. SOLICITATION NO.	4. TYPE OF SOLICITATION	5. DATE ISSUED	6. REQUISITION/PURCHASE NO.
	FA8722-04-R-0003	☐ SEALED BID (IFB) ☒ NEGOTIATED (RFP)	**30 MAR 2004**	

7. ISSUED BY ESC/NDK CODE FA8722	8. ADDRESS OFFER TO *(If other than Item 7)*
ELECTRONIC SYSTEMS CENTER AIR FORCE MATERIEL COMMAND, USAF HANSCOM AFB, MA 01731-2120____ JAMES A. HAMMOND 781-377-3810 JAMES.HAMMOND@HANSCOM.AF.MIL	

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Info for Block 8. Address original offer to:
Electronic Systems Center (ESC/AE)
Attn: Rick Andreoli/Joe Zimmerman (ISPAN A/I Source Selection)
9 Eglin St, Hanscom AFB, MA 01731

10. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE *(Include area code)* *(NO COLLECT CALLS)*	C. E-MAIL ADDRESS
	See Block 7	See Block 7	See Block 7

11. TABLE OF CONTENTS

(√)	SEC.	DESCRIPTION	PAGE(S)
		PART I - THE SCHEDULE	
√	A	SOLICITATION/CONTRACT FORM	1
√	B	SUPPLIES OR SERVICES AND PRICES/COSTS	2
√	C	DESCRIPTION/SPECS./WORK STATEMENT	18
√	D	PACKAGING AND MARKING	20
√	E	INSPECTION AND ACCEPTANCE	21
√	F	DELIVERIES OR PERFORMANCE	22
√	G	CONTRACT ADMINISTRATION DATA	25
√	H	SPECIAL CONTRACT REQUIREMENTS	26

(√)	SEC	DESCRIPTION	PAGE(S)
		PART II - CONTRACT CLAUSES	
√	I	CONTRACT CLAUSES	36
		PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACH.	
√	J	LIST OF ATTACHMENTS	42
		PART IV - REPRESENTATIONS AND INSTRUCTIONS	
√	K	REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS	K - 1
√	L	INSTRS, CONDS, AND NOTICES TO OFFERORS	L - 1
√	M	EVALUATION FACTORS FOR AWARD	M - 1

OFFER (*Must be fully completed by offeror)*

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within ____**120**____ calendar days *(60 calendar days unless a different period is inserted by the offeror)* from the date of receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)	10 CALENDAR DAYS %	20 CALENDAR DAYS %	30 CALENDAR DAYS %	CALENDAR DAYS %

14. ACKNOWLEDGEMENTS OF AMENDMENTS *(The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:*	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER *(Type or print)*

15B. TELEPHONE NO. *(Include area code)*	15C. CHECK IF REMITTANCE ADDRESS ☐ IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.	17. SIGNATURE	18. OFFER DATE

AWARD *(To be completed by Government)*

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION

22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: ☐ 10 U.S.C. 2304(c) ( ) ☐ 41 U.S.C. 253(c) ( )	23. SUBMIT INVOICES TO ADDRESS SHOWN IN *(4 copies unless otherwise specified)*	ITEM

24. ADMINISTERED BY *(If other than Item 7)* CODE	25. PAYMENT WILL BE MADE BY CODE

26. NAME OF CONTRACTING OFFICER *(Type or print)*	27. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	28. AWARD DATE

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0001		1 Lot	_____ _____

Noun: FRAMEWORK FUNCTION DEVELOPMENT (3600)
ACRN: 9
NSN: N - Not Applicable
Contract type: R - COST PLUS AWARD FEE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:

1. The Contractor shall Design, develop, Integrate, Test and Deliver capability as outlined in the SOO, TRD, IMP and in accordance with the approved Spiral Development Increment Plan (SDIP) and the Performance Work Statement.

2. The Contractor shall maintain all developed software until transitioned to Operations and Sustainment (O&S).

3. The Contractor shall utilize Work Breakdown Structure (WBS) elements to depict a Breakout of tasks to be tracked separately under the Earned Value Management System (EVMS).

4. The effort under this CLIN will be divided into three (3) Development Blocks. Each Block will be divided into delivery increments.

5. Estimated Periods of Performance are as follows:

a. Block 1: Contract Award Through 30 Sept 2007 (Approx. 42 months)

b. Block 2: On or about 1 Oct 2006 through 30 Sept 2009 (Approx. 36 Months)

c. Block 3: On or about 1 Oct 2008 through 30 Sept 2011(Approx. 36 Months)

6. The total estimated Cost of this CLIN (Blocks 1 through 3) is _____. The Base Fee Amount is: _____ with a maximum potential award fee of _____ per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

7. This evolutionary acquisition development effort will be incrementally funded and contract performance is further limited pursuant to Section I clause 52-232-22, Limitation of Funds and section H clause.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0002		0	_____ _____

Noun: DATA FOR CLIN 0001
NSN: N - Not Applicable
DD1423 is Exhibit: A
Contract type: R - COST PLUS AWARD FEE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
1. Provide data associated with ISPAN modernization A & I Framework Function Development IAW Section J, Exhibit A, CDRLs .
2. This CLIN is Not Separately Priced (NSP).

0003		1 Lot	_____ _____

Noun: AWARD FEE (3600 FY 04-FY14)
ACRN: 9
NSN: N - Not Applicable
Contract type: R - COST PLUS AWARD FEE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
1. Provides Payment for the award fee for Framework Function Development (3600).

0004	OPTION CLIN (service)	_____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 1)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: Option Exercise through 31 Jan 2005
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

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

0005 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400(OPTION 2)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2005 through 31 Jan 2006.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0006 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 3)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2006 through 31 Jan 2007.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0007 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 4)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2007 through 31 Jan 2008.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0008 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 5)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2008 through 31 Jan 2009.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

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

0009 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 6)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2009 through 31 Jan 2010.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0010 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 7)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2010 through 31 Jan 2011.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0011 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 8)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2011 through 31 Jan 2012.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0012 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 9)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2012 through 31 Jan 2013.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

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

0013 OPTION CLIN (service) _____

Noun: FRAMEWORK FUNCTION O&S 3400 (OPTION 10)
Descriptive Data:
1. The contractor shall perform software maintenance and enhancements as directed by the Government in accordance with the TRD and PWS.
2. Period of Performance: 1 Feb 2013 through 31 Jan 2014.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0014 OPTION CLIN (supply) _____

Noun: DATA FOR FRAMEWORK FUNCTION 3400 (O&S) CLINS
NSN: N - Not Applicable
DD1423 is Exhibit: A
Contract type: R - COST PLUS AWARD FEE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
1. Provide data for framework and function (O&S) CLINS IAW Section J, Exhibit A, CDRLs .

2. This CLIN is Not Separately Priced (NSP). Price is included in Option CLINS 0004 through 0013 if exercised.

0015 OPTION CLIN (service) _____

Noun: AWARD FEE (3400 FY 05-FY15)
Descriptive Data:
1. Provides payment of Award Fee for the framework function O&S (3400) if options are exercised.

0016 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 1)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: Option Exercise through 31 Jan 2005.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

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

0017 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 2)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2005 through 31 Jan 2006.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0018 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 3)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2006 through 31 Jan 2007.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0019 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 4)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2007 through 31 Jan 2008.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0020 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 5)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2008 through 31 Jan 2009.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

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

0021 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 6)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2009 through 31 Jan 2010.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0022 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 7)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2010 through 31 Jan 2011.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0023 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 8)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2011 through 31 Jan 2012.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0024 OPTION CLIN (service) _____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 9)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2012 through 31 Jan 2013.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0025	OPTION CLIN (service)		_____

Noun: EXTANT PRODUCT LINE O&S 3400 (OPTION 10)
Descriptive Data:
1. Contractor shall perform software maintenance and enhancements on Extant Product Lines identified in the SOO and the individual products' Technical Direction Document (TDD). All work shall be in accordance with the PWS.
2. Period of Performance: 1 Feb 2013 through 31 Jan 2014.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0026 OPTION CLIN (supply) _____

Noun: DATA FOR EXTANT PRODUCT LINE (3400) O&S CLINS
NSN: N - Not Applicable
DD1423 is Exhibit: A
Contract type: R - COST PLUS AWARD FEE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
1. Provide data for extant product line (O&S) CLINS IAW Section J, Exhibit A, CDRLs .
2. This CLIN is Not Separately Priced (NSP). Price is included in Option CLINS 0016 through 0025 if exercised.

0027 _____

Noun: AWARD FEE EXTANT PRODUCT LINES (3400 FY05-FY15) _____
Contract type: R - COST PLUS AWARD FEE
Start Date: ASREQ
Completion Date: ASREQ
Descriptive Data:
1. Provides payment of Award Fee for extant product line O&S (3400) if options are exercised.

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

0028 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 1)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: Option Exercise through 31 Jan 2005.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0029 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 2)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2005 through 31 Jan 2006.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0030 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 3)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2006 through 31 Jan 2007.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0031 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 4)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2007 through 31 Jan 2008.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

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

0032 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 5)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2008 through 31 Jan 2009.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0033 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 6)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2009 through 31 Jan 2010.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0034 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 7)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2010 through 31 Jan 2011.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0035 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 8)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2011 through 31 Jan 2012.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

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

0036 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 9)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2012 through 31 Jan 2013.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0037 OPTION CLIN (service) _____

Noun: C2 SOFTWARE O&S 3400 (OPTION 10)
Descriptive Data:
1. The Contractor shall perform software maintenance and enhancements of the C2 software products identified in the SOO and TDDs in accordance with the PWS.
2. Period of Performance: 1 Feb 2013 through 31 Jan 2014.
3. The total estimated Cost of this CLIN is _____. The Base Fee Amount is _____ with a maximum potential award fee of _____ shall be made available per ISPAN modernization (A&I) Award Fee Plan (Attachment 5).

0038 OPTION CLIN (supply) _____

Noun: DATA FOR C2 SOFTWARE O&S 3400
NSN: N - Not Applicable
DD1423 is Exhibit: A
Contract type: R - COST PLUS AWARD FEE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
1. Provide data C2 software (O&S) CLINS IAW Section J, Exhibit A, CDRLs .
2. This CLIN is Not Separately Priced (NSP). Price is included in Option CLINS 0028 through 0037 if exercised.

0039 OPTION CLIN (service) _____

Noun: AWARD FEE FOR C2 SOFTWARE O&S (3400 FY05-FY15
Descriptive Data:
1. Provides payment of Award Fee for C2 software O&S (3400).
2. If option is exercised

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

0040 OPTION CLIN (supply)

Noun:	ADDITIONAL IN-SCOPE TASKS (3600) (INFO CLIN)
NSN:	N - Not Applicable
Contract type:	R - COST PLUS AWARD FEE
Inspection:	DESTINATION
Acceptance:	DESTINATION
FOB:	DESTINATION

Descriptive Data:

1. If exercised, the contractor shall provide additional development to deliver global capability software. This would include, but not be limited to required databases, tools, applications, training, and integration that will provide global capability in USSTRATCOM mission areas.
2. The total estimated Cost plus fees of this CLIN is $62M. This is a Cost Plus Award Fee CLIN.
3. This is a Variable Quantities Option CLIN, which will be exercised by establishing SubCLINS in accordance with B-Tables herein (provided by the Contractor). These B-Tables will be priced by Government Fiscal Year (GFY) IAW RFP Section L, 5.12 and 5.1.
4. This evolutionary acquisition development effort will be incrementally funded and contract performance is further limited pursuant to Section I clause 52-232-22, Limitation of Funds and section H clauses.

0041 OPTION CLIN (supply) _____

Noun:	DATA FOR CLIN 0040
NSN:	N - Not Applicable
Contract type:	R - COST PLUS AWARD FEE
Inspection:	DESTINATION
Acceptance:	DESTINATION
FOB:	DESTINATION

Descriptive Data:

1. Provide data associated with additional in-scope tasks IAW Section J, Exhibit A, CDRLs .
2. This CLIN is Not Separately Priced (NSP). Price is included in CLIN 0040.

0042 OPTION CLIN (supply) _____

Noun:	AWARD FEE FOR ADDITIONAL IN-SCOPE TASKS (3600)
NSN:	N - Not Applicable
Contract type:	R - COST PLUS AWARD FEE
Inspection:	DESTINATION
Acceptance:	DESTINATION
FOB:	DESTINATION

Descriptive Data:

1. Provides payment of award fee for additional in-scope tasks if option is exercised.

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

0043 OPTION CLIN (service)

Noun: ADDITIONAL IN-SCOPE TASKS (3400) (INFO CLIN)

Descriptive Data:

1. If exercised, the contractor shall provide additional Operations and Sustainment to support additional software developed in CLIN 0040.
2. The total estimated Cost plus fees of this CLIN is $31M. This is a Cost Plus Award Fee CLIN.
3. This is a Variable Quantities Option CLIN, which will be exercised by establishing SubCLINS in accordance with B-Tables herein (provided by the Contractor). These B-Tables will be priced by Government Fiscal Year (GFY) IAW RFP Section L, 5.12 and 5.1.
4. This evolutionary acquisition development effort will be incrementally funded and contract performance is further limited pursuant to Section I clause 52-232-22, Limitation of Funds and section H clauses.

0044 OPTION CLIN (supply)

Noun: DATA FOR CLIN 0043
NSN: N - Not Applicable
Contract type: R - COST PLUS AWARD FEE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION

Descriptive Data:

1. Provide data associated with additional in-scope tasks IAW Section J, Exhibit A, CDRLs .
2. This CLIN Not Separately Priced (NSP). Price is included in Option CLIN 0043.

0045 OPTION CLIN (service) _____

Noun: AWARD FEE FOR ADDITIONAL IN-SCOPE TASKS (3400)

Descriptive Data:

1. Provides payment of award fee for additional in-scope tasks if option is exercised.

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

0046 OPTION CLIN (service)

Noun: STUDIES/OTHER EFFORTS/MISCELLANEOUS LABOR

Descriptive Data:

1. If exercised, the contractor shall provide special analysis tasks, studies, pre-operation support, and integration/installation support in accordance with the SOO, PWS, IMP; Section H Special Contract Requirements ESC-H002-Task Requirements Notices. The contractor shall use the labor categories and labor rates identified in Section B clause B036 (labor categories and rates shall be provided by the contactor).
2. The ceiling price of this time-and-materials/labor-hour CLIN is $500,000.
3. Preliminary inspection will be performed at the location of performance. Final inspection and acceptance will be at destination as evidenced by government execution of a DD Form 250, Material Inspection and Receiving Report.
4. Points of inspection and acceptance will be specified by the government in each Task Requirement Notice.

0047 OPTION CLIN (service) _____

Noun: DATA FOR CLINS 0046
DD1423 is Exhibit: A
Descriptive Data:

1. Provide data associated with CLIN 0046, Studies/Other Efforts/Miscellaneous Labor IAW Section J, Exhibit A, CDRLs.
2. This CLIN is NSP. Price is included in individual TRNs issued in accordance with CLIN 0046.
3. Points of inspection and acceptance will be accordance with the applicable CDRL.

0048 OPTION CLIN (service) _____

Noun: TRAVEL AND ODC FOR CLIN 0046

Descriptive Data:

1. The contractor shall provide travel and other direct costs in support of CLIN 0046. No profit or fee is associated with this CLIN. Additionally, rates will not exceed those established in the Joint Travel Regulation (in effect at the time of travel) for both per diem and travel expenses
2. The estimated cost for this Cost Reimbursable CLIN is TBD.

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

B036 CONTRACT TYPE: TIME-AND-MATERIALS (FEB 1997) (TAILORED)

APPLICABLE TO CLINS: 0046, 0047, 0048

(a) The Contractor shall furnish at the hourly rates stated below, all necessary and qualified personnel, managing and directing the same to complete CLIN(s) within the performance period specified in Section F. In performance of these CLIN(s), Contractor shall be reimbursed for direct labor (exclusive of any work performed in an unpaid overtime status) at the hourly rates listed below for the identified labor categories.

CATEGORIES HOURLY RATE
????? (insert categories and hourly rate(s). Hourly rates should be shown for each category by Government Fiscal Year, Contractor Fiscal Year or by specific calendar periods)

(b) For the purposes of the clause of this contract entitled "Payments Under Time-and-Material and Labor-Hour Contracts", the total ceiling price of the CLIN(s) specified in paragraph (a) above is ____ (insert ceiling price)..
Applies to Time-and-Materials CLIN(s) only.

B038 CONTRACT TYPE: COST-PLUS-AWARD-FEE (FEB 1997)

Contractor shall be reimbursed for performance of this contract in accordance with the contract clauses and the following additional terms:

(a) The total estimated cost of performance is ____

(b) The base fee is ____

(c) The maximum award fee is ____

(d) The award fee earned for performance from inception of contract through the evaluation period ending _____ (insert end of evaluation period) has been determined to be _____ (insert award fee earned).
Applies to Cost-Plus-Award-Fee CLIN(s) only.

B049 OPTIONS (APR 2000)

The Government may require performance of the work required by CLIN(s) ****. The Contracting Officer shall provide written notice of intent to exercise this option to the Contractor on or before ****. If the Government exercises this option(s) by **** , the Contractor shall perform at the estimated cost and fee, if applicable, set forth as follows:

****

OPTION CLINS	*Exc NLT (M/Y)*	*OPTION CLINS*	*Exc NLT (M/Y)*
0004	*31-Jan-05*	*0025*	*Feb-13*
0005	*Feb-05*	*0026*	*Jan-05*
0006	*Feb-06*	*0027*	*FY05-FY15*
0007	*Feb-07*	*0028*	*Jan-05*
0008	*Feb-08*	*0029*	*Feb-05*
0009	*Feb-09*	*0030*	*Feb-06*
0010	*Feb-10*	*0031*	*Feb-07*

0011	*Feb-11*	*0032*	*Feb-08*
0012	*Feb-12*	*0033*	*Feb-09*
0013	*Feb-13*	*0034*	*Feb-10*
0014	*NSP*	*0035*	*Feb-11*
0015	*FY05-FY15*	*0036*	*Feb-12*
0016	*Jan-05*	*0037*	*Feb-13*
0017	*Feb-05*	*0038*	*Jan-05*
0018	*Feb-06*	*0039*	*FY05-FY15*
0019	*Feb-07*	*0040*	****
0020	*Feb-08*	*0041*	****
0021	*Feb-09*	*0042*	****
0022	*Feb-10*	*0043*	****
0023	*Feb-11*	*0044*	****
0024	*Feb-12*	*0045*	****
		0046	****
		0047	****
		0048	****

**** *At any date after contract award and prior to contract completion*

B050 ALLOWABLE COST AND PAYMENT (COST CONTRACTS (NO FEE)) (SEP 1997)

Contractor shall be reimbursed for performance of this contract in accordance with the contract clauses and the following additional terms:

The total estimated cost of performance is _____ (insert estimated cost)

Applicable to following Line Items: _____ (insert line item(s))

B054 IMPLEMENTATION OF LIMITATION OF FUNDS (FEB 2003)

(a) The sum allotted to this contract and available for payment of costs under _____ (insert contract line items) through _____ (insert date) in accordance with the clause in Section I entitled "Limitation of Funds" is _____ (insert dollar amount).

(b) In addition to the amount allotted under the "Limitation of Funds" clause, the additional amount of _____ (insert dollar amount) is obligated for payment of fee for work completed under CLINs _____ (insert contract line items).
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

ESC-B001 VARIABLE QUANTITY OPTION CLINS (MAR 2004)

Option CLINs 0040 and 0043 are variable quantity option CLINs. The contractor shall propose defined priced requirements by Government Fiscal Year. This effort will be defined by incorporating Priced B-Tables into their respective CLINs. When Funding becomes available to the Government Program Office, the Government shall unilaterally exercise the priced option per B-Tables by establishing a SubCLIN and unilaterally issuing a contract modification. The contractor hereby agrees that the cost/price per Government Fiscal Year in the B-Table will constitute a priced option and that the Government has the right to unilaterally exercise said option anytime during the Government Fiscal Year.

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

C001 WORK DESCRIPTION/SPECIFICATION (MAY 1997) (TAILORED)

Work called for by the contract line items specified in SECTION B shall be performed in accordance with the following:
(CLINS 0004-0048 if CLIN is exercised)

CLIN	DESCRIPTION
0001	a. Section J, Attachment 2, Statement of Objectives b. Section J, Attachment 7, Integrated Master Plan c. Section J, Attachment 12, Performance Work Statement d. Section J, Attachment 3, Technical Requirements Document e. Section J, Attachments 8,9,10, 11, Technical Direction Document f. Section J, Attachment 6, Spiral Development Increment Plan
0002, 0014, 0038 0026, 0041, 0044 0047	Exhibit A Contract Data Requirements List, DD Form 1423
0003, 0015, 0027 0039, 0042, 0045	Section J, Attachment 5, Award Fee Plan
0004 to 0013	a. Section J, Attachment 2, Statement of Objectives b. Section J, Attachment 7, Integrated Master Plan c. Section J, Attachment 12, Performance Work Statement d. Section J, Attachment 3, Technical Requirements Document e. Section J, Attachments 8,9,10, 11, Technical Direction Document f. Section J, Attachment 6, Spiral Development Increment Plan
0016 to 0025	a. Section J, Attachment 2, Statement of Objectives b. Section J, Attachment 7, Integrated Master Plan c. Section J, Attachment 12, Performance Work Statement d. Section J, Attachment 3, Technical Requirements Document e. Section J, Attachments 8,9,10, 11, Technical Direction Document f. Section J, Attachment 6, Spiral Development Increment Plan
0028 to 0037	a. Section J, Attachment 2, Statement of Objectives b. Section J, Attachment 7, Integrated Master Plan c. Section J, Attachment 12, Performance Work Statement d. Section J, Attachment 3, Technical Requirements Document e. Section J, Attachments 8,9,10, 11, Technical Direction Document f. Section J, Attachment 6, Spiral Development Increment Plan
0040, 0043, 0046 0048	a. Section J, Attachment 2, Statement of Objectives b. Section J, Attachment 7, Integrated Master Plan c. Section J, Attachment 12, Performance Work Statement d. Section J, Attachment 3, Technical Requirements Document

e. Section J, Attachments 8,9,10, 11, Technical Direction Document
f. Section J, Attachment 6, Spiral Development Increment Plan

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

5352.247-9008 CONTRACTOR COMMERCIAL PACKAGING (AFMC) (SEP 1998)

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.246-03	INSPECTION OF SUPPLIES -- COST-REIMBURSEMENT (MAY 2001)
52.246-05	INSPECTION OF SERVICES -- COST-REIMBURSEMENT (APR 1984)
52.246-06	INSPECTION -- TIME-AND-MATERIAL AND LABOR-HOUR (MAY 2001)
52.246-08	INSPECTION OF RESEARCH AND DEVELOPMENT -- COST-REIMBURSEMENT (MAY 2001)
52.246-10	INSPECTION OF FACILITIES (APR 1984)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

252.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT (MAR 2003)

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

E001 REQUIREMENTS FOR DATA ACCEPTANCE (FINAL DD FORM 250) (MAY 1997)

The Contractor shall prepare and submit a final DD Form 250 on a one-time basis collectively accounting for all completed Exhibit Line/Subline Items which called for submission of the data by letter of transmittal. The DD Form 250 shall include a list and an account of all data submitted by letter of transmittal and approved by the Government during the reporting period.

E006 RECEIVING REPORT (DD FORM 250) MAILING ADDRESS (APR 1998) (TAILORED)

(a) Submit original DD Form(s) 250 for all items deliverable under this contract (e.g. hardware, software, exhibit line items, status reports, services, etc.) to the following address:

ESC/NDK
c/o Joe Zimmerman
11 Eglin St., Bldg. 1618
Hanscom AFB, MA 01731

(b) In addition, a copy of the DD Form 250 shall accompany each shipment for all deliverable items. Shipment addresses are specified in Section F of the schedule and/or on the Contract Data Requirements List.

(c) PROCESSING STATUS. Any inquiry as to the processing status of a DD Form 250 should be made to the following office:

ESC/NDK
c/o Joe Zimmerman
11 Eglin St., Bldg. 1618
Hanscom AFB, MA 01731

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0001		1	U			ASREQ
	Noun:	FRAMEWORK FUNCTION DEVELOPMENT (3600)				
	ACRN:	9				
	Descriptive Data:					
	1. Inspection and acceptance decisions shall be made at the completion of each individual Block.					
	2. The Government will indicate inspection and acceptance through the DD250.					
0003		1	U			ASREQ
	Noun:	AWARD FEE (3600 FY 04-FY14)				
	ACRN:	9				

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.242-15	STOP-WORK ORDER (AUG 1989)
52.247-34	F.O.B. DESTINATION (NOV 1991)
52.247-48	F.O.B. DESTINATION -- EVIDENCE OF SHIPMENT (DEVIATION) (FEB 1999)

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

F001 OPTION CLIN PERFORMANCE PERIOD(S) (FEB 1998) (TAILORED)

The respective performance period(s) for option(s) identified in Section B is as follows:

CLIN	Period of Performance
0004	Option Exc. Through 31 Jan 05
0005	1 Feb 05--31 Jan 06
0006	1 Feb 06--31 Jan 07
0007	1 Feb 07--31 Jan 08
0008	1 Feb 08--31 Jan 09
0009	1 Feb 09--31 Jan 10
0010	1 Feb 10--31 Jan 11
0011	1 Feb 11--31 Jan 12
0012	1 Feb 12--31 Jan 13
0013	1 Feb 13--31 Jan 14
0014	ASRQ
0015	ASRQ
0016	Option Exc. Through 31 Jan 05
0017	1 Feb 05--31 Jan 06
0018	1 Feb 06--31 Jan 07
0019	1 Feb 07--31 Jan 08
0020	1 Feb 08--31 Jan 09
0021	1 Feb 09--31 Jan 10
0022	1 Feb 10--31 Jan 11
0023	1 Feb 11--31 Jan 12
0024	1 Feb 12--31 Jan 13
0025	1 Feb 13--31 Jan 14
0026	ASRQ
0027	ASRQ
0028	Option Exc. Through 31 Jan 05
0029	1 Feb 05--31 Jan 06
0030	1 Feb 06--31 Jan 07
0031	1 Feb 07--31 Jan 08
0032	1 Feb 08--31 Jan 09
0033	1 Feb 09--31 Jan 10
0034	1 Feb 10--31 Jan 11
0035	1 Feb 11--31 Jan 12
0036	1 Feb 12--31 Jan 13
0037	1 Feb 13--31 Jan 14
0038	ASRQ

0039	ASRQ
0040	ASRQ
0041	ASRQ
0042	ASRQ
0043	ASRQ
0044	ASRQ
0045	ASRQ
0046*	
0047*	
0048*	

* As defined in individual Task Requirement Notices (TRNs)

F002 PERIOD OF PERFORMANCE (FEB 1997) (TAILORED)

Period of performance under this contract shall be (Listed Below)).

CLIN	Period of Performance
0001	Contract Award. Through 30 Sept 2011
0002	ASRQ
0003	ASRQ

F003 CONTRACT DELIVERIES (FEB 1997)

The following terms, if used within this contract in conjunction with contract delivery requirements (including data deliveries), are hereby defined as follows:

(a) "MAC" and "MARO" mean "months after the effective date for award of the contractual action (as shown in block 3, Section A, SF 26)".

(b) "WARO" means "weeks after the effective date for award of the contractual action".

(c) "DARO" means "days after the effective date for award of the contractual action".

(d) "ASREQ" means "as required". Detailed delivery requirements are then specified elsewhere in Section F.

1. ADMINISTRATIVE INFORMATION
a. Contracting Officer: Mr. Joseph A. Zimmerman
b. Program Manager: MAJ Steven Koeneker
c. Symbol of Purchasing Office: ESC/NDK
d. Telephone Number and Extension: 781-377-9237 or 781-377-3810
e. Fax Number: 781-377-2444
f. Internet address: Joe.Zimmerman@hanscom.af.mil or James.Hammond@hanscom.af.mil
2. The ACO shall forward all documentation (reports, invention disclosure notices, requests) and other information concerning patents to the following address:
ESC/JAZ
BLDG 1120
40 Wright St.
Hanscom AFB, MA 01731-2903
(781) 377-4074
3. Transportation Office: Transportation Officer
Address -Same as Office of Administration
4. Submit info copy of invoices to: ESC/NDX
11 Eglin St., Bldg. 1618
Hanscom AFB, MA 01731

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

G014 IMPLEMENTATION OF PATENT RIGHTS CLAUSE (SEP 1999) (TAILORED)

All documents and information required by the patent rights and/or patent reporting clauses set forth in Section I of this contract shall be submitted to the Administrative Contracting Officer and to ESC/JAZ

BLDG 1120
40 Wright St.
Hanscom AFB, MA 01731-2903
(781) 377-4074

patent administrator can be reached at (781) 377-4074
This notice also constitutes a request (see FAR 52.227-12(f)(10) or DFARS 252.227-7039(c), as applicable) for submission of a copy of the patent application, when filed, along with the patent application serial number, filing date, subsequent U.S. patent number and issue date, as received.

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

ESC-H001 COOPERATION WITH SUPPORT CONTRACTORS (MAR 2004)

a) The Air Force has entered into contracts with the contractors set forth in paragraph (d) below (hereinafter referred to as "support contractors") for services for scientific engineering and technical effort in support and under the technical direction of the ISPAN program office. The Contractor shall be required to provide support and technical information to the support contractors, to the extent specified herein. The Contractor agrees that the Government may release to the support contractors any technical information required in the performance of this contract. The Contractor also agrees that other support contractors may be added by the Government at no change to the contract price. Additionally, the Contractor agrees to enter into or extend written mutual agreements with each support contractor for the protection of this information. A copy of the signed agreement or extension shall be furnished to the Contracting Officer within 30 days of notification of identity of support contractors.
(b) Such support shall include the right of the support contractor(s) to attend all scheduled technical audits, technical and program reviews and formal tests conducted in the performance of this contract when specifically required and approved by the Contracting Officer. Discussion with subcontractors by a support contractor shall be accomplished with the approval of the PCO and the concurrence of the Contractor.
(c) The support and technical information to be provided shall be no greater than required by this contract. The technical support required is limited to the support necessary for the support contractor to fulfill its respective role to provide assistance to the Program Office for evaluation of the technical aspects.
(d) The support contractors will include the following:

Tecolote Research, Incorporated
54 Middlesex Turnpike
Bedford, MA 01730

Modern Technologies Corporation
4032 Linden Ave
Dayton OH 45432

The Peter Kiewit Institute
1110 S 67th Street
Omaha NE 68182

ESC-H002 TASK REQUIREMENT NOTICES (MAR 2004)

{Applicable to CLINs 0046, 0047 and 0048}

(a) Task requirements will be placed on Task Requirement Notices (TRN) on a Labor Hour and Cost Reimbursement basis. Only the PCO is authorized to issue TRNs, which will be authorized by a Contracting Officer's letter.

(b) Contractor will propose an estimated number of hours, by category for each TRN as applicable. The Contractor shall furnish all the necessary qualified personnel, materials, facilities, and management resources to furnish the supplies and services set forth in the Integrated Master Plan and Performance Work Statement within the terms specified and at the price(s) stated in the Contract Schedule. The quantities of supplies and services specified in the Schedule are estimates only, and will not necessarily be purchased under this contract. If the Government's requirements do not result in TRN orders in the estimate prescribed in the schedule, the fact shall not constitute the bases for equitable adjustment.

(c) It is understood and agreed that the Contractor shall use, in the performance of the contract, the labor categories and hours specified in each TRN utilizing the labor rates and categories set forth in this contract. All

planned Subcontracting efforts, shall be coordinated and approved by the Government, and will be authorized only at the time the TRN is issued.

(d) The labor categories and hours specified in each TRN represent the current best estimate of the services to be performed. They will be applied at the sole discretion of the Government against the negotiated rates to this contract. To enhance flexibility and to allow the Contractor to determine the optimum labor mix for the TRN, the Contractor may, without notice to the Government, increase or decrease the number of hours for each labor category specified in the TRN by no more than 30%. These adjustments are allowable only to the extent that the not-to-exceed price and the total number of hours of labor CLIN are not exceeded. The Contractor will not be paid for expenditures above the not-to-exceed price of any TRN Time and Material, or the total TRN ceiling amount.

(e) Within sixty (60) days after the completion of each TRN, an authorized representative of the Contractor shall certify, in writing to the PCO (with a copy to the ACO), the number of hours used in each labor category and all cost-reimbursement expenditures incurred in the performance of the TRN. This certification will also identify who performed the labor, i.e., the prime contractor or a specified subcontractor. This information will be the basis for the TRN close-out. DD Form 250 will be submitted along with the certification of hours as the basis for payment.

(f) Notwithstanding any other provision, the Contractor shall maintain sufficient accounting records for verification of the number of hours and categories of labor actually expended in performing each TRN under this contract, by CLIN. It is further understood and agreed that these accounting records shall be available for Government review during the performance of the contract and until three (3) years after final payment under the contract. In the event that subcontract labor is included in the labor effort contained in subparagraph (c) above, the foregoing records provisions shall be included in all applicable subcontracts.

(g) Payments under CLINs 0046, 0047 and 0048 of this contract will be in accordance with FAR 52.232-7 entitled "Payments under Time-and-Materials and Labor-hour Contracts". Materials, travel, and other direct costs associated with CLIN 0046 shall not exceed the estimated cost as specified in each TRN. In addition, billing of payment for the actual performance in each individual TRN will be at the rates established in the contract schedule. Withholding of amounts due as contemplated by the clause will apply to the total contract CLIN and not to individual TRNs. Withholding will not exceed 2.5% for the entire CLIN 0046 for the basic effort, regardless of the number of TRNs issued against the contract, and will apply to the first orders and continue until the maximum withholding amount of $50K is reached per FAR 52.232-7. To facilitate close-out of early TRNs, the amount withheld may be transferred to any subsequent active TRN.

ESC-H003 AWARD FEE (MAR 2004)

(a) In addition to the profit/fee/one-time special performance incentive set forth elsewhere in the contract, the Contractor may earn a total award-fee amount of up to TBD for total contract on the basis of performance during the evaluation periods.

(b) Monitoring of Performance. The Contractor's performance will be continually monitored by the performance monitors whose findings are reported to the Award Fee Review Board (AFRB). The AFRB recommends an award fee to the Fee Determining Official (FDO) who makes the final decision of the award-fee amount paid based on the Contractor's performance during the award-fee evaluation period.

(c) Award Fee Plan. The evaluation criteria and associated grades are specified in the award-fee plan. The evaluation periods with the associated award-fee pool amounts and performance criteria with associated percentages of available award fee are also specified in the award-fee plan. Upon contract award, the Contractor will be provided the FDO-approved award-fee plan.

(d) Modification of Award Fee Plan. Unilateral changes may be made to the award-fee plan if the Contractor is provided written notification by the Contracting Officer at least 30 days before the start of the upcoming evaluation period. Changes affecting the current evaluation period must be by bilateral agreement.

(e) Self-Evaluation. The Contractor may submit to the Contracting Officer within five (5) working days after the end of each award-fee evaluation period, a brief written self-evaluation of its performance for that period. This self-evaluation shall not exceed 5 single-sided pages. This self-evaluation will be used in the AFRB's evaluation of the Contractor's performance during this period.

(f) Disputes. All FDO decisions regarding the award fee, including but not limited to, the amount of the award fee, if any; the methodology used to calculate the award fee, the calculation of the award fee, the Contractor's entitlements to the award fee, and the nature and success of the Contractor's performance, shall not be subject to the "Disputes" clause nor reviewed by any Board of Contract Appeal (BCA), court, or other judicial entity.

(g) Award Fee Payment.

(1) Award fee is not subject to the allowable cost, and payment or termination clauses of this contract.

(2) The Contractor may bill for the award fee immediately upon receipt of the Contracting Officer's authorization for payment of the earned award fee amount.

ESC-H004 ASSOCIATE CONTRACTOR AGREEMENTS (MAR 2004)

(a) The Contractor shall enter into Associate Contractor Agreements (ACA) for any portion of the contract requiring joint participation in the accomplishment of the Government's requirement. The agreements shall include the basis for sharing information, data, technical knowledge, expertise, and/or resources essential to ensure the greatest degree of cooperation for the development of the program to meet the terms of the contract. Associate Contractors are listed in (h) below. These agreements must be accomplished no later that 45 days after contract award. More ACAs may be required after the initial aggreements have been establsihed.

(b) ACAs shall include the following general information:

(1) Identify the associate contractors and their relationships.

(2) Identify the program involved and the relevant Government contracts of the associate Contractors.

(3) Describe the associate contractor interfaces by general subject matter.

(4) Specify the categories of information to be exchanged or support to be provided.

(5) Include the expiration date (or event) of the ACA.

(6) Identify potential conflicts between relevant Government contracts and the ACA; include agreements on protection of proprietary data and restrictions on employees.

(7) Specify that disagreements arising from the ACA that cannot be resolved by the associates will be reviewed and adjudicated by the respective PCO's.

(c) A copy of such agreement shall be provided to the Contracting Officer for review before execution of the document by the cooperating contractors.

(d) Nothing in the foregoing shall affect compliance with the requirements of the clause at 5352.209-9002, Organizational Conflict of Interest.

(e) The Contractor is not relieved of any contract requirements or entitled to any adjustments to the contract terms because of a failure to resolve a disagreement with an associate contractor.

(f) Liability for the improper disclosure of any proprietary data contained in or referenced by any agreement shall rest with the parties to the agreement, and not the Government.

(g) All costs associated with the agreements are included in the negotiated cost of this contract. Agreements may be amended as required by the Government during the performance of this contract.

(h) The following contractors are associate contractors with whom agreements are required:

Ballistic Missile Strike Planning Software Support
Contract # BMSPSS F25600-02-F-0032
Northrop Grumman
Mission Systems
1408 Fort Crook Road South
Bellevue, NE 68005

National Desired Ground Zero (DGZ) Integrated Development System (NIDS) II
Contract # F25600-02-F-0036
Science Applications International Corporation
POC: Mr. Scott Fiero
10260 Campus Point Drive
San Diego, CA 92121

Air Vehicle Planning System (APS) III Contract #F25600-02-F-8922
BAE SYSTEMS, Mission Solutions, Inc.
POC: Mr. Bob Condrey
1621 Wilshire Drive, Ste 208
Bellevue, NE 68005

Automated Quality Review and Analysis Software Support (AQRASS)
Contract F25600-02-F-0034
Northrop Grumman Information Technologies, Inc.
Defense Mission Systems
12005 Surnise Valley Drive
Reston, VA 20191

CESAR Contract
Contract #F25600-99-C-501
Lockheed Martin
9970 Federal Drive
Colorado Springs, CO 80921

ESC-H005 ENGINEERING CHANGE PROPOSALS (MAR 2004)

(a) The Contracting Officer may ask the Contractor to prepare engineering change proposals for engineering changes within the scope of this contract. Upon receipt of a written request from the Contracting Officer, the Contractor shall prepare and submit an engineering change proposal.

(b) The Contractor may initiate engineering change proposals adjustments to estimated cost. Contractor initiated engineering change proposals shall include a "not to exceed" cost or a "not less than" cost and delivery adjustment. Change orders issued under the Changes clause of this contract are not an authorization to exceed the estimated cost in the schedule unless there is a statement in the change order, or other contract modification, increasing the estimated cost.

(c) When the cost of the engineering change is $550,000 or more, the Contractor shall submit--

(1) A contract pricing proposal using the format in Table 5-2, Section 15.408, of the Federal Acquisition Regulation; and

(2) At the time of agreement on cost, or on another date agreed upon between the parties, a signed Certificate of Current Cost or Pricing Data.

ESC-H006 DATA MARKING AND DELIVERY (MAR 2004)

All data items delivered under this contract shall be marked in accordance with the appropriate DFARS data rights clause. This shall include all data made available to the government on the Data Accession List (DAL).

ESC-H007 BASE ENTRY (MAR 2004)

The contractor shall be required to contact the program manager to obtain the necessary base entry procedures.

All personal vehicles will require liability insurance to the levels established by the state of Nebraska. Contractor personnel shall comply with all safety and security regulations while on base to include reporting problems to the Contracting Officer and Security Desk. Copies of these regulations will be available to the contractor at the Air Force installation.

ESC-H008 COMSEC NOTICE (MAR 2004)

All communications with DoD organizations are subject to communications security (COMSEC) review. Contractor personnel will be aware that telecommunications networks are continually subject to intercept by unfriendly intelligence organizations. The DoD has authorized the military departments to conduct COMSEC monitoring and recording of telephone calls originating from, or terminating at, DoD organizations. Therefore, civilian contractor personnel are advised that any time they place a call to, or receive a call from, an USAF organization, they are subject to COMSEC procedures. The contractor will assume the responsibility for ensuring wide and frequent dissemination of the above information to all employees dealing with official DoD information.

ESC-H009 CONTRACTOR PERSONNEL ADMINISTRATION (MAR 2004)

When contractor personnel are working on a Government installation:

It is the Contractor's responsibility to supervise the techniques used by all personnel assigned to this contract and to keep such personnel informed of all improvements, changes, and methods of operation to be employed.

The contractor shall have the right to replace, transfer or substitute personnel. Contractor personnel replacement shall be accomplished without causing delays in the performance of this contract. Any personnel replacement made by the Contractor must meet the contract requirements and be able to comply with all security requirements and must be at no additional cost to the Government. The Contracting Officer must be notified of any personnel changes in writing with resume attached prior to such change taking place. If any replacement personnel are disapproved, Contractor is still required to find a qualified replacement.

The Contractor shall ensure that personnel are not placed in a position:

(1) Where they are appointed or employed by government personnel or under the supervision, direction, evaluation of government personnel, military or civilian.

(2) Of command, supervision, administration or control over military or civilian personnel; personnel of other contractors, or become part of a government organization.

(3) To establish requisitioning objectives, station stockage lists, or direct supply channels to a manufacturer, or otherwise circumvent established Department of the Air Force supply channels.

The services performed under this contract do not require the Contractor or his employees to exercise personal judgment and discretion on behalf of the Government, but rather the Contractor's employees shall act and exercise personal judgment and discretion on behalf of the Contractor.

Rules, regulations, direction, and requirements issued by command authorities under their responsibility for good order, administration, and security apply to all personnel who enter the installation or who travel by government transportation. The Contractor shall not construe or interpret this to establish any degree of government control which is inconsistent with a non-personal services contract.

ESC-H010 GOVERNMENT PERFORMANCE OF SERVICES DURING LABOR STRIKES (MAR 2004)

Because the services called for under this contract are of critical importance to USSTRATCOM the Government reserves the right to take over performance of this contract in the event of a labor strike by the Contractor's employees, impairing the Contractor's ability to satisfactorily perform the contract. In such an event, and at the Government's discretion, the services may be performed exclusively by Government personnel. Under such circumstances the Contractor agrees not to interfere in any way with Government performance, and further agrees to permit the Government to use any essential Contractor-furnished property. The Government shall equitably compensate the Contractor for use of such property.

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.

ESC-H011 MEETINGS WITH GOVERNMENT (MAR 2004)

Some contractor personnel shall be required to perform tasks requiring Personnel Reliability Program (PRP) certification. The government shall identify when specific tasks require PRP certification. The contractor shall comply with Department of Defense Directive (DODD) 5210.42 and Air Force Instruction (AFI) 36-2104 for PRP-related tasks.

ESC-H012 PERFORMANCE OF SERVICES DURING CRISIS DECLARED BY NATIONAL COMMAND AUTHORITY OR OVERSEAS COMBATANT COMMANDER (MAR 2004)

During periods of crisis declared by the National Command Authority, or by the Overseas Combatant Commander, the contractor shall perform those essential services identified in a written notice from the Contracting Officer. The written notice shall also specify the hours of operation during the crisis. The contractor would perform the same services, as during normal operations; however, the contractor's work would be focused on the crisis tasks.

ESC-H013 PERMITS AND RESPONSIBILITIES FOR WORK (MAR 2004)

The Contractor shall, without additional expenses to the Government, obtain all licenses and permits required for the prosecution of the work. The contractor shall be responsible for all damages to persons or property that occur as a result of his fault or negligence in connection with the prosecution of the work.

ESC-H014 RIGHTS OF THE GOVERNMENT TO PERFORM FUNCTIONS WITH ITS OWN PERSONNEL (MAR 2004)

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

ESC-H015 SECURITY REQUIREMENTS (MAR 2004)

Where classified information/data is involved, the Contractor must comply with the “Industrial Security Manual for Safeguarding Classified Information” and the DD Form 254 (Contract Security Classification Specification) in Part III, Section J. (Ref FAR 52.204-2)

Start of required work will not be delayed due to security clearance; however, personnel without the required clearance shall be limited to access material appropriate to their clearance.

The Contractor will be required to comply with all security requirements enforced at USSTRATCOM and Offutt AFB NE.

When directed by the Contracting Officer, the Contractor shall remove any employee who endangers national security. Removal shall be at no cost to the government.

ESC-H016 SECURITY TRAINING (MAR 2004)

All personnel supporting this contract on a full-time basis at USSTRATCOM must attend and participate in USSTRATCOM's Security Education and Training Program. This includes the quarterly information and computer security refresher training (approximately 1 hour per quarter), and annual anti-terrorism awareness briefings (approximately 1 hour per year). Prior to traveling outside of the U.S. on leave or temporary duty (TDY), contractor personnel must also receive anti-terrorism awareness training and threat briefings for their intended destination. Prime contractors are responsible for ensuring that their subcontractors attend this required training.

ESC-H017 USE OF TOBACCO IN DOD FACILITIES (MAR 2004)

Contractors are advised that the Department of Defense has banned smoking and the use of smokeless tobacco in government facilities. Contractor employees and visitors are subject to the same restrictions as are government personnel. Smoking and the use of smokeless tobacco are only permitted outdoors in designated areas.

ESC-H018 MEETINGS WITH GOVERNMENT (MAR 2004)

The Government will normally conduct biweekly meetings of the Systems IPT and the ISPAN Engineering Team, both of which the Contractor will have membership and required representation. These meetings will normally be on alternate weeks.

Preliminary Design Reviews (PDRs) and Critical Design Reviews (CDRs) will typically be conducted at the Contractor's facilities where the contract work is being performed. Use of the terms PDR and CDR is descriptive and the Contractor may tailor the format/content as driven by their development process and as required by software design CDRLs. The dates of the meetings shall be established by the mutual agreement of the Government and the contractor. Subsequent meetings will occur as required and mutually agreed upon. The purpose of these meetings will be to assess and/or assist the Contactor's progress towards meeting the requirements of the contract.

After contract award, the Government will provide, as available, interface definitions, performance characteristics, structure, and similar information about legacy applications such that the legacy applications could initially be thought of as "black boxes" that could be effectively integrated into the Modernization program. The Government will also provide the contractor with available legacy source code, documentation, training materials, and other information associated with the functions of the code in a suitable format.

ESC-H019 ORGANIZATIONAL CONFLICTS OF INTEREST (MAR 2004)

The contractor shall acknowledge familiarity with the Federal Acquisition Regulation (FAR), Part 9, Subpart 9.5, entitled "Organizational and Consultant Conflicts of Interest," and agrees he will avoid conflicts of interest in accordance with the principles set forth in this subpart. Since the contractor under the terms of this contract will have access to government and third party data which might place the contractor in an organizational conflict of interest, the contractor agrees to perform this contract as set forth below:

a. To refrain from unauthorized use or disclosure to any individual, corporation, or organization of information/data/software (referred to hereinafter as "data") proprietary to other companies coming into its possession in connection with the work under this contract for as long as it remains proprietary.

b. To execute company-to-company written agreements with companies having a proprietary interest in such data. These agreements shall prescribe the scope of authorized use of such data as well as necessary safeguards against unauthorized use of disclosure, and other terms and conditions to be agreed upon between the parties thereto. A copy of such company-to-company agreements shall be furnished promptly after execution of the contract to the Contracting Officer for information purposes.

c. To obtain from each of its employees, whose responsibility in connection with the work under this contract may be reasonably expected to involve access to such proprietary data or classified Government information, a written agreement, which in substance shall provide that the employee will not, during employment by the Contractor or thereafter, disclose any such proprietary data or classified Government information to which the employee had access in connection with the work under this contract.

d. To refrain from utilizing proprietary data or classified Government information coming into its possession in connection with work under this contract for purposes other than those for which it has been furnished unless specifically authorized by the organization providing such proprietary data or Government information.

e. To hold the Government harmless and indemnify the Government as to any cost/loss resulting from the unauthorized use or disclosure of third party data or software by the contractor, its employees, subcontractors, or agents.

f. This provision shall remain in effect so long as the third party data remains proprietary and/or the Government information remains classified.

H004 TECHNICAL REVIEW (MITRE) (MAY 1997)

(a) The Government has contracted with The MITRE Corporation for the services of a technical group which, under the program management of the Electronic Systems Center, is responsible to the Government for overall technical review of certain Government programs, including the efforts under this contract.

(b) Explanation of MITRE Role

(1) Technical Review is defined as the process of continually reviewing the technical efforts of Contractors. It does not include any modification, realignment, or redirection of Contractor efforts under this contract; such action may be effected only by the prior written direction of the Procuring Contracting Officer.

(2) The purpose of the review is to:

(i) Evaluate from a technical standpoint whether system concept and performance can be expected to be achieved on schedule and within cost.

(ii) Assure that the impact of new data, new developments and modified requirements is properly assessed and exploited.

(iii) Assure that The MITRE Corporation has available data on the status and technology of Government programs and projects to enable it to carry out its inter-system integration responsibilities to the Government.

(3) The MITRE Corporation has agreed not to engage in the manufacture or the production of hardware or software, to refrain from disclosing proprietary information to unauthorized personnel, and not to compete with any profit seeking concern.

(c) The Contractor agrees to cooperate with The MITRE Corporation by engaging in technical discussions with MITRE personnel, and permitting MITRE personnel access to information and data relating to technical matters (including cost and schedule) concerning this contract to the same degree such access is accorded Government project personnel.

(d) It is expressly understood that the operation of this clause will not be the basis for an equitable adjustment. Modifications, realignment or redirection of the Contractor's technical efforts and/or contract requirements shall be effected only by the written direction of the Contracting Officer.

H025 INCORPORATION OF SECTION K (OCT 1998)

Section K of the solicitation is hereby incorporated by reference.

H029 IMPLEMENTATION OF DISCLOSURE OF INFORMATION (OCT 1997) (TAILORED)

In order to comply with DFARS 252.204-7000, Disclosure of Information, the following copies of the information to be released are required at least 45 days prior to the scheduled release date:
(a) One (1) copy to: Office of Public Affairs, ESC/PAM, 9 Eglin Street, Hanscom AFB MA 01731-2118.
(b) One (1) copy to: Contracting Officer, Mr. Joe Zimmerman
(c) One (1) copy to: Program Manager, Major Steve Koeneker.

H033 SOLICITATION NUMBER (APR 1998) (TAILORED)

Solicitation Number: FA8722-04-R-0003

H044 RENT-FREE USE OF GOVERNMENT-OWNED PROPERTY (FEB 2003) (TAILORED)

The Contractor is authorized to use in the performance of this contract on a rent-free, noninterference basis the Government-owned property identified below, made available during the periods set forth below.

ITEM (TBD) PERIOD AVAILABLE
See Section J- Government Furnished Property

H055 INSURANCE CLAUSE IMPLEMENTATION (FEB 2003)

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.
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

H063 CONTRACTOR IDENTIFICATION (FEB 2003)

(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.

H081 INCORPORATION OF SUBCONTRACTING PLAN (FEB 2003) (TAILORED)

In accordance with FAR 52.219-9, Small Business Subcontracting Plan, the offeror shall propose to at least a 20% subcontracting threshold for small business (SB), small disadvantaged business (SDB), Historically Black Colleges and Universities (HBCU), and Minority Institutions (MI) participation. The sum of subcontracts issued to SB, HBCU, and MI by the prime contractor and first tier team members/joint venture partners shall be counted toward achievement of the 20% threshold. The offeror may propose a higher small business subcontracting objective goal.

a. Participation of Small Business (SB), Small Disadvantaged Businesses (SDB), Historically Black Colleges and Universities, or Minority Institutions (HBCU/MI). If the offeror is other than a small business, the offeror shall submit a Small Business Subcontracting Plan in accordance with FAR 52.219-9 that also identifies and specifies the

extent of offeror's commitment to the participation of SB, SDB, HBCU, and MI, whether as joint venture members, teaming arrangement partners, or subcontractors. If applicable, submit a copy of your approved Master Plan. In the event the offeror has negotiated a comprehensive subcontracting plan pursuant to DFARS 219.702, the offeror must submit the information that identifies and specifies the extent of its commitment to the participation of SB, SDB, HBCU and MI.

H087 GOVERNMENT- FURNISHED PROPERTY (GFP) (FEB 2003) (TAILORED)

Pursuant to the Government Property clause herein, the Government shall furnish the item(s) of property listed below as Government-Furnished Property (GFP) to the Contractor, f.o.b. destination, for use in performance of this contract. Upon completion of the contract, the Contractor shall obtain disposition instructions from the Government Property Administrator of the activity having responsibility for administration of the contract.

ITEM NR NSN NOUN PART NO QTY DELIVERY DATE
See section J- Government Furnished Property

H089 TECHNOLOGY INSERTION (IT RESOURCES) (JUL 2003) (TAILORED)

(a) As changes in technology occur, the Contractor shall propose substitution of new products/items for inclusion in this contract. These items include hardware, software, and services developed by, marketed by, or otherwise available from the Contractor. The proposed items should provide at least equivalent performance with economic benefits or enhanced performance. At least every 365 days, the Contractor shall either submit such a proposal or inform the Contracting Officer that no new items meet the above criteria.

(b) The Contractor shall provide price and performance data to support an improvement in performance and/or price. If necessary for evaluation by the Government, the Contractor shall provide a demonstration of the proposed items. Should the Government decide that the proposed item(s) should be included in the contract, an equitable price adjustment will be negotiated and the proposed item(s) shall be added to the contract by bilateral modification under the authority of this clause.

Contract Clauses in this section are from the FAR, Defense FAR Sup, Air Force FAR Sup, and the Air Force Materiel Command FAR Sup, and are current through the following updates:

Database_Version: 6.1.1.100; Issued: 3/22/2004; FAR: FAC 2001-20; DFAR: DCN20040223; DL.: DL 98-021; Class Deviations: CD 2003o0003; AFFAR: 2002 Edition; AFMCFAR: AFMCAC 02-02; AFAC: AFAC 2004-0302; IPN: 98-009

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.203-03	GRATUITIES (APR 1984)
52.203-05	COVENANT AGAINST CONTINGENT FEES (APR 1984)
52.203-06	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (JUL 1995)
52.203-07	ANTI-KICKBACK PROCEDURES (JUL 1995)
52.203-08	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)
52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (JUN 2003)
52.204-02	SECURITY REQUIREMENTS (AUG 1996)
52.204-04	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER (AUG 2000)
52.204-07	CENTRAL CONTRACTOR REGISTRATION (OCT 2003)
52.209-06	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (JUL 1995)
52.211-05	MATERIAL REQUIREMENTS (AUG 2000)
52.215-02	AUDIT AND RECORDS -- NEGOTIATION (JUN 1999)
52.215-08	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (OCT 1997)
52.215-11	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-13	SUBCONTRACTOR COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-14	INTEGRITY OF UNIT PRICES (OCT 1997)
52.215-14	INTEGRITY OF UNIT PRICES (OCT 1997) - ALTERNATE I (OCT 1997)
52.215-19	NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997) - ALTERNATE II (OCT 1997)
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997) - ALTERNATE III (OCT 1997) Alt III, Para (c), Submit the cost portion of the proposal via the following electronic media: 'CD ROM'
52.216-07	ALLOWABLE COST AND PAYMENT (DEC 2002) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.216-08	FIXED FEE (MAR 1997) *Applies to Cost-Plus-Fixed-Fee CLIN(s) only.*
52.219-08	UTILIZATION OF SMALL BUSINESS CONCERNS (OCT 2000)
52.219-09	SMALL BUSINESS SUBCONTRACTING PLAN (JAN 2002) - ALTERNATE II (OCT 2001)
52.219-16	LIQUIDATED DAMAGES -- SUBCONTRACTING PLAN (JAN 1999)
52.222-02	PAYMENT FOR OVERTIME PREMIUMS (JUL 1990) Para (a), Dollar amount is 'the amount established at contract award' *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*

52.222-03	CONVICT LABOR (JUN 2003)
52.222-19	CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES (JAN 2004)
52.222-20	WALSH-HEALEY PUBLIC CONTRACTS ACT (DEC 1996)
52.222-21	PROHIBITION OF SEGREGATED FACILITIES (FEB 1999)
52.222-26	EQUAL OPPORTUNITY (APR 2002)
52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001)
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUN 1998)
52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001)
52.223-05	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (AUG 2003)
52.223-06	DRUG-FREE WORKPLACE (MAY 2001)
52.223-11	OZONE-DEPLETING SUBSTANCES (MAY 2001)
52.223-12	REFRIGERATION EQUIPMENT AND AIR CONDITIONERS (MAY 1995)
52.224-01	PRIVACY ACT NOTIFICATION (APR 1984)
52.224-02	PRIVACY ACT (APR 1984)
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (DEVIATION) (JUN 2003)
52.227-01	AUTHORIZATION AND CONSENT (JUL 1995)
52.227-02	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT (AUG 1996)
52.227-10	FILING OF PATENT APPLICATIONS -- CLASSIFIED SUBJECT MATTER (APR 1984)
52.227-12	PATENT RIGHTS -- RETENTION BY THE CONTRACTOR (LONG FORM) (JAN 1997) para (l), insert agency instructions for communications 'See Section G'
52.228-07	INSURANCE -- LIABILITY TO THIRD PERSONS (MAR 1996) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.230-02	COST ACCOUNTING STANDARDS (APR 1998)
52.230-06	ADMINISTRATION OF COST ACCOUNTING STANDARDS (NOV 1999)
52.232-07	PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS (DEC 2002) *Applies to Time-and-Materials CLIN(s) only.*
52.232-09	LIMITATION ON WITHHOLDING OF PAYMENTS (APR 1984)
52.232-17	INTEREST (JUN 1996)
52.232-22	LIMITATION OF FUNDS (APR 1984) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.232-23	ASSIGNMENT OF CLAIMS (JAN 1986)
52.232-25	PROMPT PAYMENT (OCT 2003)
52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION (OCT 2003)
52.233-01	DISPUTES (JUL 2002)
52.233-03	PROTEST AFTER AWARD (AUG 1996) - ALTERNATE I (JUN 1985) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.234-01	INDUSTRIAL RESOURCES DEVELOPED UNDER DEFENSE PRODUCTION ACT TITLE III (DEC 1994)
52.237-02	PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT AND VEGETATION (APR 1984)
52.239-01	PRIVACY OR SECURITY SAFEGUARDS (AUG 1996)
52.242-01	NOTICE OF INTENT TO DISALLOW COSTS (APR 1984) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.242-03	PENALTIES FOR UNALLOWABLE COSTS (MAY 2001)
52.242-04	CERTIFICATION OF FINAL INDIRECT COSTS (JAN 1997)
52.242-12	REPORT OF SHIPMENT (REPSHIP) (JUN 2003)
52.242-13	BANKRUPTCY (JUL 1995)
52.243-02	CHANGES -- COST-REIMBURSEMENT (AUG 1987) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.243-03	CHANGES -- TIME-AND-MATERIALS OR LABOR-HOURS (SEP 2000) *Applies to Time-and-Materials CLIN(s) only.*

52.243-07	NOTIFICATION OF CHANGES (APR 1984) Para (b), Number of calendar days is (insert 30 for RDSS/C) '30 days' Para (d), Number of calendar days is (insert 30 for RDSS/C) '30 days'
52.244-02	SUBCONTRACTS (AUG 1998) Para (e), approval required on subcontracts to: '?????' Para (k), Insert subcontracts evaluated during negotiations. '?????' *Applies to Time-and-Materials CLIN(s) only.*
52.244-02	SUBCONTRACTS (AUG 1998) - ALTERNATE I (AUG 1998) Para (e), Contractor shall obtain the Contracting Officer's written consent before placing the following subcontracts: 'TBD' Para (k), Insert subcontracts which were evaluated during negotiations: '?????' *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.244-05	COMPETITION IN SUBCONTRACTING (DEC 1996)
52.244-06	SUBCONTRACTS FOR COMMERCIAL ITEMS (APR 2003)
52.245-01	PROPERTY RECORDS (APR 1984)
52.245-05	GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-HOUR CONTRACTS) (DEVIATION) (JAN 1986)
52.245-19	GOVERNMENT PROPERTY FURNISHED "AS IS" (APR 1984) *Applies to Time-and-Materials CLIN(s) only.*
52.247-67	SUBMISSION OF COMMERCIAL TRANSPORTATION BILLS TO THE GENERAL SERVICES ADMINISTRATION FOR AUDIT (JUN 1997) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
52.248-01	VALUE ENGINEERING (FEB 2000) Para (m). Contract number. '?????'
52.249-06	TERMINATION (COST-REIMBURSEMENT) (SEP 1996) - ALTERNATE IV (SEP 1996) *Applies to Time-and-Materials CLIN(s) only.*
52.249-14	EXCUSABLE DELAYS (APR 1984)
52.251-01	GOVERNMENT SUPPLY SOURCES (APR 1984)
52.253-01	COMPUTER GENERATED FORMS (JAN 1991)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

252.201-7000	CONTRACTING OFFICER'S REPRESENTATIVE (DEC 1991)
252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES (MAR 1999)
252.203-7002	DISPLAY OF DOD HOTLINE POSTER (DEC 1991)
252.204-7000	DISCLOSURE OF INFORMATION (DEC 1991)
252.204-7002	PAYMENT FOR SUBLINE ITEMS NOT SEPARATELY PRICED (DEC 1991)
252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (APR 1992)
252.204-7004	ALTERNATE A TO FAR 52.204-7, CENTRAL CONTRACTOR REGISTRATION (NOV 2003)
252.204-7005	ORAL ATTESTATION OF SECURITY RESPONSIBILITIES (NOV 2001)
252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS (DEC 1991)
252.208-7000	INTENT TO FURNISH PRECIOUS METALS AS GOVERNMENT- FURNISHED MATERIAL (DEC 1991) Para (b), Precious Metal, Quantity, Deliverable Item (NSN and Nomenclature): '?????'
252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY (NOV 1995)
252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY (MAR 1998)
252.211-7000	ACQUISITION STREAMLINING (DEC 1991)
252.215-7000	PRICING ADJUSTMENTS (DEC 1991)
252.215-7002	COST ESTIMATING SYSTEM REQUIREMENTS (OCT 1998)
252.219-7003	SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS) (APR 1996)
252.223-7004	DRUG-FREE WORK FORCE (SEP 1988)

252.223-7006	PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS (APR 1993)
252.225-7004	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES (APR 2003)
252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (FEB 2003)
252.225-7014	PREFERENCE FOR DOMESTIC SPECIALTY METALS (APR 2003) - ALTERNATE I (APR 2003)
252.225-7016	RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS (APR 2003)
252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL (APR 2003)
252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS, INDIAN-OWNED ECONOMIC ENTERPRISES, AND NATIVE HAWAIIAN SMALL BUSINESS CONCERNS (OCT 2003)
252.227-7013	RIGHTS IN TECHNICAL DATA--NONCOMMERCIAL ITEMS (NOV 1995)
252.227-7014	RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION (JUN 1995)
252.227-7016	RIGHTS IN BID OR PROPOSAL INFORMATION (JUN 1995)
252.227-7019	VALIDATION OF ASSERTED RESTRICTIONS--COMPUTER SOFTWARE (JUN 1995)
252.227-7020	RIGHTS IN SPECIAL WORKS (JUN 1995)
252.227-7025	LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS (JUN 1995)
252.227-7026	DEFERRED DELIVERY OF TECHNICAL DATA OR COMPUTER SOFTWARE (APR 1988)
252.227-7027	DEFERRED ORDERING OF TECHNICAL DATA OR COMPUTER SOFTWARE (APR 1988)
252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT (MAR 2000)
252.227-7036	DECLARATION OF TECHNICAL DATA CONFORMITY (JAN 1997)
252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA (SEP 1999)
252.227-7039	PATENTS--REPORTING OF SUBJECT INVENTIONS (APR 1990)
252.231-7000	SUPPLEMENTAL COST PRINCIPLES (DEC 1991)
252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS (JAN 2004)
252.232-7006	ALTERNATE A TO FAR 52.232-7, PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS (DEC 2003) *Applies to Time-and-Materials CLIN(s) only.*
252.234-7001	EARNED VALUE MANAGEMENT SYSTEM (MAR 1998) Para (f), Subcontractors selected for application of EVMS: '?????'
252.235-7003	FREQUENCY AUTHORIZATION (DEC 1991)
252.235-7003	FREQUENCY AUTHORIZATION (DEC 1991) - ALTERNATE I (DEC 1991)
252.242-7000	POSTAWARD CONFERENCE (DEC 1991)
252.242-7004	MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM (DEC 2000) *Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*
252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT (MAR 1998)
252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (DOD CONTRACTS) (MAR 2000)
252.245-7000	GOVERNMENT-FURNISHED MAPPING, CHARTING, AND GEODESY PROPERTY (DEC 1991)
252.245-7001	REPORTS OF GOVERNMENT PROPERTY (MAY 1994)
252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA (MAY 2002)
252.249-7002	NOTIFICATION OF ANTICIPATED CONTRACT TERMINATION OR REDUCTION (DEC 1996)
252.251-7000	ORDERING FROM GOVERNMENT SUPPLY SOURCES (OCT 2002) Para (e), Contractor's address is '?????' Para (e), Government remittance address is '?????'

C. AIR FORCE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

5352.204-9000	NOTIFICATION OF GOVERNMENT SECURITY ACTIVITY AND VISITOR GROUP SECURITY AGREEMENTS (APR 2003)
5352.223-9000	ELIMINATION OF USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS) (APR 2003)

Para (c), List of Class I ODSs. 'None'
5352.223-9001 HEALTH AND SAFETY ON GOVERNMENT INSTALLATIONS (JUN 1997)
5352.242-9000 CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (JUN 2002)
Para (b), Any additional requirements to comply with local security procedures '?????'

D. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

5352.209-9002 ORGANIZATIONAL CONFLICT OF INTEREST (AFMC) (AUG 2002)
5352.227-9000 EXPORT-CONTROLLED DATA RESTRICTIONS (AFMC) (JUL 1997)

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES IN FULL TEXT

52.211-15 DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990)

This is a rated order certified for national defense use, and the Contractor shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700).

52.217-07 OPTION FOR INCREASED QUANTITY -- SEPARATELY PRICED LINE ITEM (MAR 1989) (TAILORED)

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within In accordance with Section B-049. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

52.217-08 OPTION TO EXTEND SERVICES (NOV 1999) (TAILORED)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 10 days prior to CLIN completion.

52.252-02 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

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

52.252-06 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

B. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES IN FULL TEXT

5352.245-9004 BASE SUPPORT (AFMC) (JUL 1997) - ALTERNATE I (JUL 1997) (TAILORED)

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 (e), 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 TBD.

(f) The Government support to be furnished under this contract is TBD. 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.

Alternate I (AFMC)(JUL 1997). As prescribed in 5345.106-90(b), 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.

DOCUMENT	PGS	DATE	TITLE
EXHIBIT A	58		CONTRACT DATA REQUIREMENTS LIST (CDRLS)
ATTACHMENT 1	10		DOD CONTRACT SECURITY CLASSIFICATION SPECIFICATION (DD FORM 254)
ATTACHMENT 2	5		STATEMENT OF OBJECTIVES
ATTACHMENT 3	1		TECHNICAL REQUIREMENTS DOCUMENTS (TRD) SECRET (INC. BY REFERENCE)
ATTACHMENT 4	TBD		GOVERNMENT FURNISHED PROPERTY (GFP) (CONTRACTOR PROVIDED LIST)
ATTACHMENT 5	26		AWARD FEE PLAN
ATTACHMENT 6	3		SPIRAL DEVELOPMENT INCREMENT PLAN (SDIP) PROCESS
ATTACHMENT 7	TBD		INTEGRATED MASTER PLAN (IMP) (CONTRACTOR PROVIDED)
ATTACHMENT 8	8		DATA MANAGEMENT SYSTEMS (TDD)
ATTACHMENT 9	6		DOCUMENT PRODUCTION SYSTEM (TDD)
ATTACHMENT 10	6		THEATRE INTEGRATED PLANNING SUBSYSTEM (TDD)
ATTACHMENT 11	5		ISPAN SWEARS (TDD)
ATTACHMENT 12	TBD		PERFORMANCE WORK STATEMENT (PWS) (CONTRACTOR PROVIDED)
ATTACHMENT 13	10		PAST PERFORMANCE DOCUMENTATION
ATTACHMENT 14	1		SECURITY CLASSIFICATION GUIDE (SECRET: INC. BY REFERENCE)

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____X____

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Software Development Plan	SDP

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION
LT	D	See Block 16	60 days after contract award

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	Date of submission	As requested by govt.

17. PRICE

18. ESTIM TOTA
$

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

16. REMARKS

Block 10: SDP delivered for acceptance and approval when government or contractor processes change sufficiently to drive govt. request.

Block 14. Submittal in electronic format required

See attached document for content guidance

* Transmittal letter only.

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

Software Development Plan (SDP)
(A001)

The Software Development Plan (SDP) describes the developer's plans for conducting a software development effort. The term "software development" is meant to include new development, modification, reuse, reengineering, integration, maintenance, and all other activities resulting in software products.

The SDP provides the acquirer insight into, and a tool for monitoring, the processes to be followed for software development, the methods to be used, the approach to be followed for each activity, and project schedules, organization, and resources.

This document contains guidance for the content of an SDP that satisfies the requirements of A001. The format used should be of the contractors choosing with approval of the government. Portions of this plan may be grouped as separate documents if this approach enhances their usability. Examples include plans for software configuration management and software quality assurance. Also, contractor corporate processes may be (re)used, appropriately tailored this contract's software effort.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering).

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The SDP shall contain the following:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Describe the purpose of the system and the software to which this document applies. It should describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and describe any security or privacy considerations associated with its use.

1.4 Relationship to other plans. Describe the relationship of the SDP to other project management plans, in particular, the Integrated Master Plan (IMP). Also identify, as they become known, any changes to the software development process expected during life of the contract.

2. Referenced documents. List the documents referenced in this plan, the version of the documents, and their sources including URL address, if available.

3. Overview of required work. Establish the context for the planning described in later sections. Include, as applicable, an overview of:

3.1. Requirements and constraints on the system and software to be developed

3.2. Requirements and constraints on project documentation

3.3. Position of the project in the system life cycle. Explain how ISPAN will evolve to incrementally give the Government the best value to meet the evolving USSTRATCOM missions. Include what steps will be taken to evolve the system to give maximum warfighter fielded capability quickest, within program constraints in a risk-managed fashion.

3.4. The selected program/acquisition strategy or any requirements or constraints on it

3.5. Requirements and constraints (internal and external) on project schedules and resources

3.6. The relationship between the software development effort and other work, such as lifecycle planning, software architecture and integration, integrated management processes and procedures, and systems engineering support. Explain how the various work efforts are mutually reinforcing to yield a system that provides the best value to the government and will support the evolutionary modernization and planned refresh/sustainment over the remaining ISPAN lifecycle.

3.7. Other requirements and constraints, such as on project security, privacy, methods, standards, interdependencies in hardware and software development, etc.

4. Plans for performing general software development activities. If different builds or different software on the project require different planning, these differences should be noted in the applicable paragraphs. In addition to the content specified below, each paragraph should identify applicable risks/uncertainties and plans for dealing with them.

4.1 Software development process. Describe the software development process and methodologies (e.g., object oriented, structured, etc.) to be used.

4.1.1 Contractual clauses. Cover all contractual clauses concerning this topic, identifying planned builds, if applicable, their objectives, and the software development activities to be performed in each build.

4.1.2 Contractor's approach. Detail the contractor's approach to spiral development and evolutionary acquisition (EA), including:

a. Criteria for defining spirals and increments,

b. Management of derived requirements for and from external dependent development (e.g. legacy contractors, external contractors),

c. Entry/exit criteria,

d. Planned deliverables,

e. Formal and informal reviews, and

f. Product correction and quality control processes.

4.1.3 Delivery Schedule. Provide a phased delivery schedule for existing and new system integration and system modifications that support USSTRATCOM requirements. Address how the contractor will enable easy upgrades for required post-delivery changes and technology refresh improvements supporting lifecycle management. The development plan should phase-in capabilities needed to execute USSTRATCOM mission requirements, as they are defined, to include collaboration and integration/interoperability with external systems.

The plan shall provide formal program reviews for key milestones identified in the IMP. Review processes shall provide applicable cost and performance data and shall include definitions of proposed entry/exit criteria; planned deliverables, with details provided for formal and informal reviews; and product correction and quality control processes.

Finally, describe the approach to be used to collaborate with associate contractors (ASCONs) such as other application developers (e.g. legacy contractors, external contractors), the government database development and maintenance function, other contractors (e.g., infrastructure providers), and government systems engineers. A proposed allocation of responsibilities across the various stakeholder organizations shall be provided.

4.2 General plans for software development. The following information shall be included.

4.2.1 Software development methods. Describe or reference the software development methods to be used. Included shall be descriptions of the manual and automated tools and procedures to be used in support of these methods. The methods shall cover all contractual clauses concerning this topic.

4.2.2 Standards for software products. Describe or reference the standards to be followed for representing requirements, design, code, test cases, test procedures, and test results. The standards shall cover all contractual clauses concerning this topic. Standards for code shall be provided for each programming language to be used. They shall include at a minimum:

a. Standards for format (such as indentation, spacing, capitalization, and order of information)

b. Standards for header comments (requiring, for example, name/identifier of the code; version identification; modification history; purpose; requirements and design decisions implemented; notes on the processing (such as algorithms used, assumptions, constraints, limitations, and side effects); and notes on the data (inputs, outputs, variables, data structures, etc.)

c. Standards for other comments (such as required number and content expectations)

d. Naming conventions for variables, parameters, packages, procedures, files, etc.

e. Restrictions, if any, on the use of programming language constructs or features

f. Restrictions, if any, on the complexity of code aggregates

g. Description of the contractor's software development environment, including software engineering tools used and how these tools are integrated into a comprehensive integrated development and management environment. Consideration should also be given as to how contractor tools and architectural artifacts will smoothly integrate with government architectures and engineering products.

4.2.3 Reusable software products. The following information shall be included.

4.2.3.1 Incorporating reusable software products. Describe the approach to be followed for identifying, evaluating, and incorporating reusable software products (e.g., COTS, GOTS, newly developed reusable code), including the scope of the search for such products and the criteria to be used for their evaluation and make-vs.-buy decisions. The description shall cover all contractual clauses concerning this topic. Candidate or selected reusable

software products known at the time this plan is prepared or updated shall be identified and described, together with benefits, drawbacks, and restrictions, as applicable, associated with their use.

4.2.3.2 Developing reusable software products. Describe the approach to be followed for identifying, evaluating, and reporting opportunities for developing reusable software products.

4.2.4 Handling of critical requirements. The following information shall be included.

a. Security assurance

b. Assurance of critical requirements

4.2.5 Computer hardware resource utilization. Describe the approach to be followed for allocating computer hardware resources and monitoring their utilization. The ISPAN computing environment in place at the time this plan is prepared and/or updated shall be used as a basis for estimating computer hardware utilization. The contractor shall identify any computing needs not supported by the computing environment.

4.2.6 Recording rationale. Describe the approach to be followed for recording rationale that will be useful to the support agency for key decisions made on the project. The approach shall interpret the term "key decisions" for the project and state where the rationale are to be recorded.

4.2.7 Access for acquirer review. Describe the approach to be followed for providing the acquirer or its authorized representative access to developer and subcontractor facilities for review of software products and activities. The approach shall propose a process which provides the government full and timely insight, review, and approval of all major software development processes and artifacts (e.g., requirements and design specifications; design, test and integration processes; etc.) at all major and incremental program milestones (e.g., requirements baseline establishment, preliminary and final design, test readiness, etc.).

4.2.8 Software sizing and costing. Provide the ISPAN system software sizing estimate (by source lines of code or function points) for each major delivery, as well as the total software size estimate at modernization completion. Variances (plus-or-minus estimates at 90% confidence) shall also be provided. Each delivery shall include the correlation to the CSCI/software unit breakout and architecture, current as of the SDP delivery. The first delivery of the SDP shall include initial plans for continuation of software Operations and Sustainment (O&S) for existing software to be maintained under delayed-start and optional CLINS.

The contractor shall describe the detailed software sizing methodology, including software estimation tools and techniques used, as well as parametric values used in calculating the estimates.

4.2.9 System verification. The contractor shall describe its plan for verified production deliveries leading to operational test and evaluation of requirements and statutory compliance for each major delivery. This shall include a plan to verify compliance with all performance, functional, and technical requirements stated in the TRD and other applicable specifications (e.g., SRS). The verification plan should provide processes that support additional or deleted capabilities throughout the life of the system, since spiral requirements will change yearly and include changes driven by changes to national policy and strategy.

4.2.10 Lifecycle support. The contractor shall describe its plan to provide logistic capability for the evolving system which meets TRD and applicable specification requirements (e.g., SRS) within program funding constraints. This plan should identify methods to incorporate best-value solution alternatives, substantiated by cost/benefit analyses. The efforts proposed should support key program review IMP milestones with applicable cost and performance data and show how ISPAN will evolve to sustainment in 2011. Reference to the IMP Life Cycle Cost section may be utilized in lieu of a plan in the SDP.

5. Plans for performing detailed software development activities. If different builds/spirals/increments or different software on the project require different planning, these differences shall be noted in the applicable paragraphs. The discussion of each activity shall include the approach (methods, procedures, tools, etc.) to be applied to: 1) the analysis or other technical tasks involved, 2) the recording of results, and 3) the preparation of

associated deliverables, if applicable. The discussion shall also identify applicable risks/uncertainties and plans for dealing with them. Reference may be made to 4.2.1 if applicable methods are described there.

In order to avoid duplication and unnecessary work, and to provide best value to the government, the contractor is encouraged to consolidate material (e.g., paragraphs 4 and 5) to provide a single comprehensive treatment of the topic here and/or among other CDRLs, as approved by the government.

5.1 Project planning and oversight. Describe the approach to be followed for project planning and oversight to include:

5.1.1 Software development planning (covering updates to this plan)
5.1.2 CSCI test planning
5.1.3 System test planning
5.1.4 Software installation planning
5.1.5 Software transition planning
5.1.6 Following and updating plans, including the intervals for management review

5.2 Establishing a software development environment. Describe the approach to be followed for establishing, controlling, and maintaining a software development environment to include:

5.2.1 Software engineering environment
5.2.2 Software test environment
5.2.3 Software development library
5.2.4 Software development files
5.2.5 Non-deliverable software (Note: It is assumed that all software products and artifacts developed under this contract will be deliverable to the government with unlimited rights. If this is not the case (e.g., proprietary solutions), these exceptions shall be noted in this paragraph, and government approval for such obtained.)

5.3 System requirements analysis. Describe the approach to be followed for participating in system requirements analysis to include:

5.3.1 Analysis of user input
5.3.2 Operational concept
5.3.2 Other related system documents and artifacts (e.g., models)
5.3.4 System and software requirements, including any system (e.g., infrastructure, guards, etc.) requirements deriving from the contractor's software computing needs

5.4 System design. Describe the approach to be followed for participating in government system design activities to include the overall software architectural design and its relationship to the system design.

5.5 Software requirements analysis. Describe the approach to be followed for software requirements analysis.

5.6 Software design. Describe the approach to be followed for software design, to include:

5.6.1 CSCI-wide design decisions
5.6.2 CSCI architectural design
5.6.3 CSCI detailed design

5.7 Software implementation and unit testing. Describe the approach to be followed for software implementation and unit testing, to include:

5.7.1 Software implementation
5.7.2 Preparing for unit testing
5.7.3 Performing unit testing

5.7.4 Revision and retesting
5.7.5 Analyzing and recording unit test results

5.8 Unit integration and testing. Describe the approach to be followed for unit integration and testing, to include:

5.8.1 Preparing for unit integration and testing
5.8.2 Performing unit integration and testing
5.8.3 Revision and retesting
5.8.4 Analyzing and recording unit integration and test results

5. 9 CSCI qualification testing. Describe the approach to be followed for CSCI qualification testing, to include:

5.9.1 Independence in CSCI qualification testing
5.9.2 Testing on the target computer system
5.9.3 Preparing for CSCI qualification testing
5.9.4 Dry run of CSCI qualification testing
5.9.5 Performing CSCI qualification testing
5.9.6 Revision and retesting
5.9.7 Analyzing and recording CSCI qualification test results

5.10 CSCI/HWCI integration and testing. Describe the approach to be followed for participating in CSCI/HWCI integration and testing, to include:

5.10.1 Preparing for CSCI/HWCI integration and testing
5.10.2 Performing CSCI/HWCI integration and testing
5.10.3 Revision and retesting
5.10.4 Analyzing and recording CSCI/HWCI integration and test results

5.11 System qualification testing. Describe the approach to be followed for participating in system qualification testing, to include:

5.11.1 Independence in system qualification testing
5.11.2 Testing on the target computer system
5.11.3 Preparing for system qualification testing
5.11.4 Dry run of system qualification testing
5.11.5 Performing system qualification testing
5.11.6 Revision and retesting
5.11.7 Analyzing and recording system qualification test results

5.12 Preparing for software use. Describe the approach to be followed for preparing for software use, to include:

5.12.1 Preparing the executable software
5.12.2 Preparing version descriptions for user sites
5.12.3 Preparing user manuals
5.12.4 Installation at user sites (e.g., USSTRATCOM headquarters, MCCC, NAOC, TACAMO).

5.13 Preparing for software transition. Describe the approach to be followed for preparing for software transition, to include:

5.13.1 Preparing the executable software
5.13.2 Preparing source files
5.13.3 Preparing version descriptions for the support site
5.13.4 Preparing the "as built" CSCI design and other software support information

5.13.5 Updating the system design description
5.13.6 Preparing support manuals
5.13.7 Transition to the designated support site

5.14 Software configuration management. Describe the approach to be followed for software configuration management. This paragraph shall address managing the multiplicity of software baselines in light of different target environments (e.g., USSTRATCOM headquarters, MCCC, NAOC, TACAMO). Include at a minimum:

5.14.1 Configuration identification
5.14.2 Configuration control
5.14.3 Configuration status accounting
5.14.4 Configuration audits
5.14.5 Packaging, storage, handling, and delivery

5.15 Software product evaluation. Describe the approach to be followed for software product evaluation, to include:

5.15.1 In-process and final software product evaluations
5.15.2 Software product evaluation records, including items to be recorded
5.15.3 Independence in software product evaluation, validation, and verification (V&V)

5.16 Software quality assurance. Describe the approach to be followed for software quality assurance, to include:

5.16.1 Software quality assurance evaluations
5.16.2 Software quality assurance records, including items to be recorded
5.16.3 Independence in software quality assurance

5.17 Corrective action. Describe the approach to be followed for corrective action, to include:

5.17.1 Problem/change reports, including items to be recorded (candidate items include: project name, originator, problem number, problem name, software element or document affected, origination date, category and priority, description, analyst assigned to the problem, date assigned, date completed, analysis time, recommended solution, impacts, problem status, approval of solution, follow-up actions, corrector, correction date, version where corrected, correction time, description of solution implemented)
5.17.2 Corrective action system

5 .18 Joint technical and management reviews. Describe the approach to be followed for joint technical and management reviews, to include:

5.18.1 Joint technical reviews (both contractor and government, and contractor, government, and other ASCONs), including a proposed set of reviews

5.18.2 Joint management reviews (both contractor and government, and contractor, government, and other ASCONs), including a proposed set of reviews

5.19 Other software development activities. Describe the approach to be followed for other software development activities, to include:

5.19.1 Risk management, including known risks and risk-control strategies
5.19.2 Software management indicators, including indicators to be used
5.19.3 Security and privacy
5.19.4 Subcontractor management
5.19.5 Interface with software independent verification and validation (IV&V) agents
5.19.6 Coordination with associate developers
5.19.7 Improvement of project processes

5.19.8 Other activities not covered elsewhere in the plan

6. Schedules and activity network. The contractor shall provide government access to the Integrated Master Schedule in the IMP CDRL. Details coordinated with the SDP include:

6.1. Schedule(s) identifying the activities in each build and showing initiation of each activity, availability of draft and final deliverables and other milestones, and completion of each activity

6.2. An activity network, depicting sequential relationships and dependencies among activities and identifying those activities that impose the greatest time restrictions on the project

7. Project organization and resources. Provide insight into the project organization and resources to be applied in each build.

7.1. Project organization. Describe the organizational structure to be used on the project, including the organizations involved, their relationships to one another, and the authority and responsibility of each organization for carrying out required activities.

7.2 Project resources. Describe the resources to be applied to the project. This should include, as applicable:

7.2.1. Personnel resources, including:

1) The estimated staff-loading for the project

2) The breakdown of staff-loading numbers by responsibility (e.g., management, software engineering, software testing, software configuration management, software product evaluation, software quality assurance, etc.)

3) A breakdown of the skill levels, geographic locations, and security clearances of personnel performing each responsibility

7.2.2. Overview of developer facilities to be used, including geographic locations in which the work will be performed, facilities to be used, secure areas and other features of the facilities, as applicable to the contracted effort.

7.2.3. Acquirer-furnished equipment, software, services, documentation, data, and facilities required for the contracted effort. A schedule detailing when these items will be needed shall also be included.

7.2.4. Other required resources, including a plan for obtaining the resources, dates needed, and availability of each resource item.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP _____ TM _____ OTHER _____X_____

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE
A002	System/Subsystem Design Description (SSDD)	SSDD	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIM TOTA
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154	$

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT	D	See Block 16	At System Design Review	

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	Date of submission	As requested by government

16. REMARKS

Block 10. One SSDD to be delivered per government program Block, unless sufficient program changes drive new government request. . The DoDAF models documented as part of this document will initially be delivered with the first delivery of this SSDD. Update artificates of the individual DoDAF models may require separate and/or individual deliveries from this document. The DoDAF models can be documented as appendices, which can be updated and delivered separately from the main document when, needed or as CDRL A019, which ever provides "best value" to the government. The DoDAF models and other architectural artifacts should also be delivered in softcopy in the native format they were developed or captured in (e.g., BPWin, System Architect (SA), or other modeling tools)

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only

a. ADDRESSEE	b. COPIES		
	Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

System/Subsystem Design Description (SSDD)
(A002)
Use/Relationship

The System/Subsystem Design Description (SSDD) describes the software architecture to be developed by the contractor, to include integration with other applications and system elements (e.g., database, interfaces), COTS and GOTS use, as well as all newly developed Computer Software Configuration Items (CSCIs). It is envisioned that an Interface Design Descriptions (IDD) and Database Design Descriptions (DBDD) may supplement the SSDD; however, the SSDD shall be complete and comprehensive enough for the government to evaluate and use without these supplementary documents. Documents will include how ISPAN will be transformational and not a simple analytical continuation of the current system.

Throughout this document, the term "system" may be interpreted to mean "subsystem" as applicable. Design pertaining to interfaces will be presented in the SSDD as well as Software Design Descriptions (SDD), and may also be contained in separate IDDs. Design pertaining to databases, data files, data elements etc., will be presented in the SSDD, SDDs and may also be presented in a DBDD when called out separately.

The SSDD shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A002.

The SSDD shall describe the system architecture through the DoDAF at a minimum. The specific DoDAF views shall include AV-1, AV-2, TV-1, TV-2, OV-1, OV-2, OV-3, OV-5, SV-1, and SV-6. These artifacts will be documented and provided in this document as separate appendices, or as CDRL A019, which ever is the “Best Value” for the government. These DoDAF architectural models shall be specific to ISPAN. In most cases the DoDAF models called out above will need updating as more detailed requirement analysis, system software design, and implementation tradeoffs are made. Those architectural views will be updated and delivered at the software requirements reviews (SRR), preliminary design reviews (PRD), and critical design reviews (CDR) associated with those SRS(s) or SDD(s) that affect those changes, or at anytime agreed to by the government and the developer. Other architectural artifacts specific to the development methodology can and should be documented and included where applicable and appropriate such as object models, etc.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD-ROM.

b. Presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles. Whenever possible, the contractor shall use notations consistent with the *DoD Architecture Framework, Version 1.0 (15 August 2003) or later*.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering).

3. Format. The CDRL shall be delivered in electronic form compatible with Microsoft Word.

4. Content.

1. Scope. This section shall be divided into the following paragraphs.

1.1 Identification. This paragraph shall contain a full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. This paragraph shall briefly state the purpose of the system and the software to which this document applies. It shall describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. This paragraph shall summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the documents referenced in this document, the version of the documents, and their sources including URL address, if available.

3. Software architecture and system-wide design decisions. Present system-wide software design decisions as introduced/contained in the IMP, that is, decisions about the system's behavioral design (how it will behave, from a user's point of view, in meeting its requirements, ignoring internal implementation) and other decisions affecting the selection and design of system components.

Design decisions that respond to requirements designated critical, such as those for information security, shall be placed in separate subparagraphs. If a design decision depends upon system states or modes, this dependency shall be indicated. Design conventions needed to understand the design shall be presented or referenced. Examples of system-wide design decisions are the following:

a. Design decisions regarding inputs the software will accept and outputs it will produce, including interfaces with other systems, configuration items, and users (4.3. of this guidance identifies topics to be considered in this description). If part or all of this information is given in Interface Design Descriptions (IDD), they may be referenced. However, sufficient information shall be provided to enable the government to make an accurate and comprehensive review of the software architecture and related material.

b. Design decisions on system behavior in response to each input or condition, including actions the system will perform, response times and other performance characteristics, description of physical systems modeled, selected equations/algorithms/rules, and handling of invalid inputs or conditions. Rationale shall be provided supporting each major design decision and algorithm selection, including precedent, prototype, mathematical or engineering analyses, or demonstration.

c. Design decisions on how system databases/data files will appear to the user (4.3. of this guidance identifies topics to be considered in this description). If part or all of this information is given in Database Design Descriptions (DBDDs), they may be referenced.

d. Selected approach to meeting information security, algorithmic processing (e.g., optimality), and performance requirements.

e. Design decisions regarding openness, software architecture standards used, lifecycle costs, and extensibility to accommodate future requirements, missions, systems, and technologies.

f. Design decisions regarding COTS and GOTS product selection, selection criteria, and make-vs.-buy decisions.

g. Design decisions regarding integration with other system components (e.g., other application software, database, infrastructure and system services, system interfaces). This shall address the integration approach, technologies (e.g., middleware selections) and products to be used, and implications for USSTRATCOM custom and GOTS application reengineering.

h. Proposed infrastructure and database changes, with accompanying rationale. Alternative changes should be provided as appropriate, with cost/benefit/risk tradeoffs clearly articulated. Provide implications if the proposed changes are not approved by the government..

i. Development methodology(ies) selected (e.g., OO, service-based) and accompanying rationale.

j. Design recommendations for hardware systems needed to support the system software design.

k. Other system-wide design decisions made in response to requirements, such as selected approach to providing required flexibility, availability, extensibility, scalability, and maintainability.

4. Software architectural design. Describe the system software architectural design. If part or all of the design depends upon system states or modes, this dependency shall be indicated. If design information falls into more than one paragraph, it may be presented once and referenced from the other paragraphs. Design conventions needed to understand the design shall be presented or referenced.

Note: For brevity, this section is written in terms of organizing a system directly into Hardware Configuration Items (HWCIs), Computer Software Configuration Items (CSCIs), and manual operations, but should be interpreted to cover organizing a system into subsystems, organizing a subsystem into HWCIs, CSCIs, and manual operations, or other variations, as appropriate.

4.1 System components.

a. Identify the components of the software system (CSCIs, software units, etc., depending on the architecture selected). Each component shall be assigned a project-unique identifier and shall include developed software and other system components (e.g., GOTS and other applications).

Note: A software unit is an element in the design of a CSCI, for example, a major subdivision of a CSCI, a component of that subdivision, a class, object, module, function, routine, or database. Software units may occur at different levels of a hierarchy and may consist of other software units. Software units in the design may or may not have a one-to-one relationship with the code and data entities (routines, procedures, databases, data files, etc.) that implement them or with the computer files containing those entities. A database may be treated as a CSCI or as a software unit. The SSDD may refer to software units by any name(s) consistent with the design methodology being used.

b. Show the static (such as “consists of”) relationship(s) of the components. Multiple relationships may be presented, depending on the selected design methodology (for example, in an object-oriented design, this paragraph may present the class and object structures as well as the module and process architectures).

c. State the purpose of each component and identify the system requirements and system-wide design decisions allocated to it.

d. Identify each component's development status/type, if known (such as new development, existing component to be reused as is, existing design to be reused as is, existing design or component to be reengineered, component to be developed for reuse, component planned for Build N, COTS, GOTS, etc.) For existing design or components, the description shall provide identifying information, such as name, version, documentation references, location, etc.

e. For each computer system or other aggregate of computer resources identified for use in the system, describe the computer resources (such as processors, memory, input/output devices, auxiliary storage, and communications/network connectivity needed) required, including:

1) The requirements being satisfied.

2) The assumptions and conditions on which the utilization data are based (for example, typical usage, worst-case usage, assumption of certain events). At a minimum, resource utilization and processing timelines shall be estimated for war planning options containing 1, 10, 20, 50, 100, 1000, 1700, and 2500 targets and weapons.

3) Any special considerations affecting the utilization (such as use of virtual memory, overlays, or multiprocessors or the impacts of operating system overhead, library software, or other implementation overhead). Identify any changes necessary to the ISPAN computing environment (i.e., suite of workstations, PCs, network servers, storage, interfaces, etc.) necessary to support the desired functionality and QPRs, providing sufficient lead time for the government to react (review approve and purchase, etc.) without impacting timelines.

4) The units of measure used (such as percentage of processor capacity, cycles per second, bytes of memory, kilobytes per second). At a minimum, estimate peak and average processor and memory utilization, processing cycle times (clock time assuming a quiescent environment), disk requirements, and network bandwidth consumption.

5) The level(s) at which the estimates or measures will be made (such as software unit, CSCI, or executable program)

f. Provide a specification tree for the system. This is a diagram that identifies and shows the relationships among the planned specifications for the system components.

4.2 Concept of execution and integration. Describe the concept of execution and integration among the system components. This description shall include diagrams and descriptions showing the dynamic relationship of the components, that is, how they will interact during system assembly, storage, deployment, and operation, including, as applicable, flow of execution control, data flow, dynamically controlled sequencing, state transition diagrams, timing diagrams, priorities among components, handling of interrupts, timing/sequencing relationships, exception handling, concurrent execution, dynamic allocation/deallocation, dynamic creation/deletion of objects, processes, tasks, assembly, storage, deployment, and other aspects of dynamic behavior.

4.3 Integration strategy. Describe, in detail, the contractor's proposed integration strategy, to include: overall approach (e.g., middleware, database-oriented, etc.); integration components (COTS, developed code, adaptation requirements); implications for other system components (other planning applications, analysis tools, database, network, servers, etc.); expected lifecycle costs and supportability issues; and organizational relationships necessary to implement the approach (e.g., ASCON-to-ASCON agreements). Identify design issues and tradeoffs, along with rationale for the proposed approach.

4.4 Interface design. Describe the interface characteristics of the system components. This description shall include both interfaces among the components and their interfaces with external entities such as other systems, configuration items, and users. The interfaces shall be designed to a level that allows the recording of interface design decisions made as part of system architectural design. If part or all of this information is contained in Interface Design Descriptions (IDD), these sources may be referenced. However, sufficient information shall be provided to enable the government to make an accurate and comprehensive review of the architecture and related material.

4.4.1 Interface identification and diagrams. State the project-unique identifier assigned to each interface and identify the interfacing entities (systems, configuration items, users, etc.) by name, number, version, and documentation references, as applicable. The identification shall state which entities have fixed interface characteristics (and therefore impose interface requirements on interfacing entities) and which are being developed or modified (thus having interface requirements imposed on them). One or more interface diagrams shall be provided, as appropriate, to depict the interfaces.

4.4.2 (Project-unique identifier of interface) . These identify an interface by project-unique identifier, shall briefly identify the interfacing entities, and shall be divided into subparagraphs as needed to describe the interface characteristics of one or both of the interfacing entities. If a given interfacing entity is not covered by this SSDD (for example, an external system), but its interface characteristics need to be mentioned to describe interfacing entities that are, these characteristics shall be stated as assumptions or as, "When [the entity not covered] does this, [the entity that is covered] will...."

This paragraph may reference other documents to be delivered (such as data dictionaries, standards for protocols, and standards for user interfaces) instead of stating the information here. The design description shall include the following, as applicable, presented in any order suited to the information to be provided, and shall note any differences in these characteristics from the point of view of the interfacing entities (such as different expectations about the size, frequency, or other characteristics of data elements):

a. Priority assigned to the interface by the interfacing entity(ies)

b. Type of interface (such as real-time data transfer, storage-and-retrieval of data, etc.) to be implemented

c. Characteristics of individual data elements that the interfacing entity(ies) will provide, store, send, access, receive, etc., such as[1]:

1) Names/identifiers
    a) Project-unique identifier
    b) Non-technical (natural-language) name
    c) DoD or USSTRATCOM standard data element name
    d) Technical name (e.g., variable or field name in code or database)
    e) Abbreviation or synonymous names
2) Data type (alphanumeric, integer, etc.)
3) Size and format (such as length and punctuation of a character string)
4) Units of measurement
5) Range or enumeration of possible values (such as 0-99)
6) Accuracy (how correct) and precision (number of significant digits)
7) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the data element may be updated and whether business rules apply
8) Information Security constraints
9) Sources (setting/sending entities) and recipients (using/receiving entities)

d. Characteristics of data element assemblies (records, messages, files, arrays, displays, reports, etc.) that the interfacing entity(ies) will provide, store, send, access, receive, etc., such as[2]:

1) Names/identifiers
    a) Project-unique identifier
    b) Non-technical (natural language) name
    c) Technical name (e.g., record or data structure name in code or database)
    d) Abbreviations or synonymous names
2) Data elements in the assembly and their structure (number, order, grouping)
3) Medium (such as disk) and structure of data elements/assemblies on the medium
4) Visual and auditory characteristics of displays and other outputs (such as colors, layouts, fonts, icons and other display elements, beeps, lights)
5) Relationships among assemblies, such as sorting/access characteristics

[1] This information requirement may be met by referencing the specific and applicable portions (e.g., tables, entities, attributes, etc.) of the USSTRATCOM Enterprise Database (EDB).
[2] This information requirement may be met by referencing the applicable portions (e.g., tables, entities, attributes, etc.) of the USSTRATCOM Enterprise Database (EDB).

6) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the assembly may be updated and whether business rules apply
7) Information security constraints
8) Sources (setting/sending entities) and recipients (using/receiving entities)

e. Characteristics of communication methods that the interfacing entity(ies) will use for the interface, such as:

1) Project-unique identifier(s)
2) Communication links/bands/frequencies/media and their characteristics
3) Message formatting
4) Flow control (such as sequence numbering and buffer allocation)
5) Data transfer rate, whether periodic/aperiodic, and interval between transfers
6) Routing, addressing, and naming conventions
7) Transmission services, including priority and grade
8) Safety/security/privacy considerations, such as encryption, user authentication, compartmentalization, and auditing

f. Characteristics of protocols that the interfacing entity(ies) will use for the interface, such as:

1) Project-unique identifier(s)
2) Priority/layer of the protocol
3) Packeting, including fragmentation and reassembly, routing, and addressing
4) Legality checks, error control, and recovery procedures
5) Synchronization, including connection establishment, maintenance, termination
6) Status, identification, and any other reporting features

g. Other applicable characteristics not specifically called out above..

5. CSCI design. This section shall be divided into the following paragraphs to describe each software unit of each CSCI to be developed under the contract. If part or all of the design depends upon system states or modes, this dependency shall be indicated. If design information falls into more than one paragraph, it may be presented once and referenced from the other paragraphs. Design conventions needed to understand the design shall be presented or referenced. Interface characteristics of software units may be described here, in Section 4, or in Interface Design Descriptions (IDDs). Software units that are databases, or that are used to access or manipulate databases, may be described here or in Database Design Descriptions (DBDDs).

5.1 (Project-unique identifier of a software unit). This paragraph shall identify a software unit by project-unique identifier and shall describe the unit. The description shall include the following information, as applicable. Software units that contain other software units may reference the descriptions of those units rather than repeating information.

a. Unit design decisions, if any, such as detailed descriptions (e.g., key mathematical equations, related data structures, references), algorithms, methodologies, and technologies to be used, if not previously selected. Describe any tradeoffs or options considered and the rationale for selecting the proposed approach(es).

b. Any constraints, limitations, or unusual features in the design of the software unit

c. The programming language to be used. And, the rationale for its use, if other than the specified CSCI language

d. If the software unit consists of or contains procedural commands (such as menu selections in a database management system (DBMS) for defining forms and reports, on line DBMS queries for database access and manipulation, input to a graphical user interface (GUI) builder for automated code generation, commands to the operating system, or shell scripts), a list of the procedural commands and reference to user manuals or other documents that explain them.

e. If the software unit contains, receives, or outputs data, a description of its inputs, outputs, and other data elements and data element assemblies, as applicable. Paragraph 4.3.x of this DID provides a list of topics to be covered, as applicable. Data local to the software unit shall be described separately from data input to or output from the software unit. If the software unit requires changes to the EDB, a corresponding Database Design Description (DBDD) shall be referenced; interface characteristics may be provided here or by referencing section 4 or the corresponding Interface Design Description(s).

f. If the software unit contains logic, the logic to be used by the software unit, including, as applicable:

1) Conditions in effect within the software unit when its execution is initiated
2) Conditions under which control is passed to other software units
3) Response and response time to each input, including data conversion, renaming, and data transfer operations
4) Sequence of operations and dynamically controlled sequencing during the software unit's operation, including:
    a) The method for sequence control
    b) The logic and input conditions of that method, such as timing variations, priority assignments
    c) Data transfer in and out of memory
    d) The sensing of discrete input signals, and timing relationships between interrupt operations within the software unit
5) Exception and error handling

5.2 (Project-unique designator of a group of software units). A group of software units may also be designated, with the software units identified and described in subparagraphs using the same guidance as section 5.1.

6. Requirements traceability. This section shall contain:

a. Traceability from each system component identified in this SSDD to the system requirements (the intent is by-directional traceability between the government requirements and requirements/design/test CDRLs).

b. Traceability from each system requirement to the system software component(s) to which it is allocated.

CONTRACT DATA REQUIREMENTS LIST *(1 Data Item)*								*Form Approved CMB No.0704-0188*
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for receiving 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 th is collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701 -0188), 1215 Jefferson Davis highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contraction Officer for the Contra/PR No. listed in Block E.								
A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047	**B. EXHIBIT** A	**C. CATEGORY:** TDP _____ TM _____ OTHER _____X_____						
D. SYSTEM / ITEM ISPAN A&I		**E. CONTRACT / PR NO** FA8722-04-R-0003		**F. CONTRACTOR**				
1. DATAITEM NO. A003	2. TITLE OF DATA ITEM Software Requirements Specification		3. SUBTITLE SRS				17. PRICE	
4. AUTHORITY (Data Acquisition Document No.) Contractor Format with Govt Approval		5. CONTRACT REFERENCE PWS, para.		6. REQUIRING OFFICE USSTRATCOM/CL154			18. ESTIM TOTA $	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED D	10. FREQUENCY See NOTE 1	12 DATE OF FIRST SUBMISSION At System Requirements Review	14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE Date of submission	13. DATE OF SUBSEQUENT SUBMISSION See NOTE 1	a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.	
16. REMARKS				STRAT/CL154		1		

NOTE 1: SRS(s) delivered for acceptance and approval per increment for those CSCI(s) or subsystems affected in the increment being delivered. Block 14. Submittal in electronic format required See attached document for content guidance * Transmittal letter only.	ESC/NDK*		1	
	15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

Software Requirements Specification (SRS)
(A003)

This Software Requirements Specification (SRS) specifies the requirements for each Computer Software Configuration Item (CSCI). The contractor shall develop and deliver, for government review and approval, an evolutionary SRS for the system that meets TRD/TDD/System Requirements and performance requirements. The contractor shall develop and deliver, for government approval, at least one SRS for every system-level CSCI to be developed under this contract. At a minimum, this shall include the overall ISPAN system level compliance to the government's TRD.

At least three SRSs shall be provide: one for optimization, executive/workflow management, and decision support services functionality. The software may be packaged into one or more of the CSCIs. SRSs need not be developed for the extant software and optional products to be maintained under this contract, except as the extant functions and their TDD requirements evolve into the evolutionary baseline.

The SRSs shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A003.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of the document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering)

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The deliverable shall contain the following information:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Briefly state the purpose of the system and the software to which this document applies. Describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents referenced in this document. This section shall also identify the source for all documents including URL address, if available. .

3. Requirements. This section shall be divided into the following paragraphs to specify the CSCI requirements, that is, those characteristics of the CSCI that are conditions for its acceptance. CSCI requirements are software requirements generated to satisfy the system (TRD/TDD) requirements allocated to this CSCI. Each requirement shall be assigned a project-unique identifier to support testing and traceability and shall be stated in such a way that an objective test can be defined for it.

The government, as the system integrator, and this contract/contractor, will use the system SRS to manage and control the derived requirements that will be allocated to other contractors (e.g. legacy and external). Therefore, the system SRS will clearly show allocation of requirements as a function of the associated contractors in an evolutionary manner over the life of the contract. This contract has the overall responsibility to ensure TRD requirements are met. Subsystem SRS(s) may also be used.

It is neither necessary nor desirable to repeat TRD/TDD requirements. The purpose of the SRS is to provide lower-level, detailed, CSCI-specific requirements that flow from or are derived from the TRD/TDD, to provide a basis for further software analysis and development, to ensure that the contractor has a sound understanding of the government’s intent for that functional capability, and to ensure that the government has sufficient visibility into the lower level details, in order to adequately review the proposed approach and make sound approval decisions.

Each requirement shall be annotated with associated qualification method(s) (see section 4) and traceability to system (or subsystem, if applicable) requirements (see section 5.a), if not provided in those sections. The degree of detail to be provided shall be guided by the following rule: Include those characteristics of the CSCI that are conditions for CSCI acceptance; defer to design descriptions those characteristics that the acquirer is willing to leave up to the developer. If there are no requirements in a given paragraph, the paragraph shall so state. If a given requirement fits into more than one paragraph, it may be stated once and referenced from the other paragraphs.

3.1 Required states and modes. If the CSCI is required to operate in more than one state or mode having requirements distinct from other states or modes, this paragraph shall identify and define each state and mode. Examples of states and modes include idle, ready, active, post-use analysis, training, degraded, emergency, backup, wartime, peacetime. The distinction between states and modes is arbitrary. A CSCI may be described in terms of states only, modes only, states within modes, modes within states, or any other scheme that is useful. If no states or modes are required, this paragraph shall so state, without the need to create artificial distinctions. If states and/or modes are required, each requirement or group of requirements in this specification shall be correlated to the states and modes. The correlation may be indicated by a table or other method in this paragraph, in an appendix referenced from this paragraph, or by annotation of the requirements in the paragraphs where they appear.

3.2 CSCI capability requirements. Itemize the requirements associated with each capability of the CSCI. A "capability" is defined as a group of related requirements. The word "capability" may be replaced with "function," "subject," "object," or other term useful for presenting the requirements.

3.2.1. (CSCI capability). Identify a required CSCI capability and itemize the requirements associated with the capability. If the capability can be more clearly specified by dividing it into constituent capabilities, the constituent capabilities shall be specified in subparagraphs. The requirements shall specify required behavior of the CSCI and shall include applicable parameters, such as response times, throughput times, other timing constraints, sequencing, accuracy, capacities (how much/how many), priorities, continuous operation requirements, and allowable deviations based on operating conditions. The requirements shall include, as applicable, required behavior under unexpected and "out of bounds" conditions, requirements for error handling, and any provisions to be incorporated into the CSCI to provide continuity of operations. Paragraph 3.3.x of this guidance provides a list of topics to be considered when specifying requirements regarding inputs the CSCI must accept and outputs it must produce.

3.3. CSCI external interface requirements. Specify the requirements, if any, for the CSCI's external (from the perspective of the CSCI) interfaces. Reference one or more Interface Requirements Specifications (IRSs), or other documents to be developed, containing these detailed requirements, as appropriate. However, sufficient detail shall be provided in the SRS to allow the government to make an accurate and comprehensive assessment of the overall set of external interface requirements.

3.3.1. Interface identification and diagrams. Identify the required external interfaces of the CSCI (that is, relationships with other entities that involve sharing, providing or exchanging data). The identification of each interface shall include a project-unique identifier and shall designate the interfacing entities (systems, configuration items, users, etc.) by name, number, version, and documentation references, as applicable. The identification shall state which entities have fixed interface characteristics (and therefore impose interface requirements on interfacing entities) and which are being developed or modified (thus having interface requirements imposed on them). One or more interface diagrams shall be provided to depict the interfaces.

3.3.2. Identify CSCI external interfaces by project-unique identifier, briefly identify the interfacing entities, and state the requirements imposed on the CSCI to achieve the interface. Interface characteristics of the other entities involved in the interface shall be stated as assumption or as, "When [the entity not covered] does this, the CSCI shall...," not as requirements on the other entities. Reference other documents (such as data dictionaries, standards for communication protocols, and standards for user interfaces) as appropriate. The requirements shall include the following, as applicable, presented in any order suited to the requirements, and shall note any differences in these characteristics from the point of view of the interfacing entities (such as different expectations about the size, frequency, or other characteristics of data elements):

a. Priority that the CSCI must assign the interface

b. Requirements on the type of interface (such as real-time data transfer, storage-and- retrieval of data, etc.) to be implemented

c. Required characteristics of individual data elements that the CSCI must provide, store, send, access, receive, etc., such as[3]:

1) Names/identifiers
    a) Project-unique identifier
    b) Non-technical (natural-language) name
    c) If applicable, DOD or USSTRATCOM standard data element name
    d) Technical name (e.g., variable or field name in code or database)
    e) Abbreviation or synonymous names
2) Data type (alphanumeric, integer, etc.)
3) Size and format (such as length and punctuation of a character string)
4) Units of measurement
5) Range or enumeration of possible values (such as 0-99)
6) Accuracy (how correct) and precision (number of significant digits)
7) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the data element may be updated and whether business rules apply
8) Security and privacy constraints
9) Sources (setting/sending entities) and recipients (using/receiving entities)

d. Required characteristics of data element assemblies (records, messages, files, arrays, displays, reports, etc.) that the CSCI must provide, store, send, access, receive, etc., such as[4]:

1) Names/identifiers
    a) Project-unique identifier
    b) Non-technical (natural language) name
    c) Technical name (e.g., record or data structure name in code or database)
    d) Abbreviations or synonymous names
2) Data elements in the assembly and their structure (number, order, grouping)
3) Medium (such as disk) and structure of data elements/assemblies on the medium
4) Visual and auditory characteristics of displays and other outputs (such as colors, layouts, fonts, icons and other display elements, beeps, lights)
5) Relationships among assemblies, such as sorting/access characteristics
6) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the assembly may be updated and whether business rules apply
7) Security and privacy constraints
8) Sources (setting/sending entities) and recipients (using/receiving entities)

e. Required characteristics of communication methods that the CSCI must use for the interface, such as:

1) Project-unique identifier(s)
2) Communication links/bands/frequencies/media and their characteristics
3) Message formatting
4) Flow control (such as sequence numbering and buffer allocation)
5) Data transfer rate, whether periodic/aperiodic, and interval between transfers
6) Routing, addressing, and naming conventions
7) Transmission services, including priority and grade

[3] This content requirement may be satisfied by referencing the applicable data elements, tables, attributes, etc. from the USSTRATCOM Enterprise Database (EDB).
[2] This content requirement may be satisfied by referencing the applicable data elements, tables, attributes, etc. from the USSTRATCOM Enterprise Database (EDB).

8) Security considerations, such as encryption, user authentication, compartmentalization, and auditing

f. Required characteristics of protocols the CSCI must use for the interface, such as:

1) Project-unique identifier(s)
2) Priority/layer of the protocol
3) Packeting, including fragmentation and reassembly, routing, and addressing
4) Legality checks, error control, and recovery procedures
5) Synchronization, including connection establishment, maintenance, termination
6) Status, identification, and any other reporting features

g. Other required characteristics.

3.4 CSCI internal interface requirements. Specify the requirements, if any, imposed on interfaces internal to the CSCI. If all internal interfaces are left to the design, this fact shall be so stated. If such requirements are to be imposed, paragraph 3.3 of this guidance provides a list of topics to be considered.

3.5 CSCI internal data requirements. Specify the requirements, if any, imposed on data internal to the CSCI. Included shall be requirements, if any, on databases and data files to be included in the CSCI. If all decisions about internal data are left to the design, this fact shall be so stated. If such requirements are to be imposed, paragraph 3.3 of this guidance provides a list of topics to be considered.

3.6 Adaptation requirements. Specify the requirements, if any, concerning installation-dependent data to be provided by the CSCI (such as site-dependent latitude and longitude or site-dependent runtime environment) and operational parameters that the CSCI is required to use that may vary according to operational needs (such as parameters indicating operation-dependent targeting constants or data recording).

3.7 Security requirements. Specify the CSCI requirements concerned with maintaining security. These requirements shall include, as applicable, the security environment in which the CSCI must operate, the type and degree of security to be provided, the security risks the CSCI must withstand, and the required safeguards to reduce those risks.

3.7.1 Security policies. The security policy(ies) that must be met and the security accountability the CSCI must provide.

3.7.2 Security Accreditation. The criteria that must be met for security accreditation.

3.8 CSCI environment requirements. Specify the requirements, if any, regarding the environment in which the CSCI must operate. Examples include the computer hardware and operating system on which the CSCI must run. (Additional requirements concerning computer resources are given in the next paragraph.) If infrastructure, database, runtime environment, or other environmental changes are required in order for the CSCI to function according to specification, these shall be identified. The contractor is strongly encouraged to pre-coordinate these requirements with the government prior to formal document delivery to ensure that proposed changes are acceptable.

3.9 Computer resource requirements.

3.9.1 Computer hardware requirements. Specify the requirements, if any, regarding computer hardware that must be used by the CSCI. The requirements shall include, as applicable, number of each type of equipment, type, size, capacity, and other required characteristics of processors, memory, input/output devices, auxiliary storage, communications/network equipment, and other required equipment.

3.9.2 Computer hardware resource utilization requirements. Specify the requirements, if any, on the CSCI's computer hardware resource utilization, such as maximum allowable use of processor capacity, memory capacity, input/output device capacity, auxiliary storage device capacity, and communications/network equipment capacity. The requirements (stated, for example, as percentages of the capacity of each computer hardware resource based on

the current ISPAN computing environment) shall include the conditions, if any, under which the resource utilization is to be measured to include, at a minimum, average and peak utilization requirements.

3.9.3 Computer software requirements. Specify the requirements, if any, regarding computer software that must be used by, or incorporated into, the CSCI. Example including operating systems, database management systems, communications/network software, utility software, input and equipment simulators, test software, and manufacturing software. The correct nomenclature, version, and documentation references of each such software item shall be provided.

3.9.4 Computer communications requirements. Specify the additional requirements, if any, concerning the computer communications that must be used by the CSCI. Examples include locations to be linked; configuration and network topology; transmission techniques; data transfer rates; gateways; required system use times; type and volume of data to be transmitted/received; time boundaries for transmission/reception/response; peak volumes of data; and diagnostic features.

3.10 Software quality factors. Specify the CSCI requirements, if any, concerned with software quality factors identified in the contract. Examples include quantitative requirements regarding CSCI functionality (the ability to perform all required functions), reliability (the ability to perform with correct, consistent results), maintainability (the ability to be easily corrected), availability (the ability to be accessed and operated when needed), flexibility (the ability to be easily adapted to changing requirements), portability (the ability to be easily modified for a new environment), reusability (the ability to be used in multiple applications), testability (the ability to be easily and thoroughly tested), usability (the ability to be easily learned and used), and other attributes.

3.11 Design and implementation constraints. Specify the requirements, if any, that constrain the design and implementation of the CSCI. These requirements may be specified by reference to appropriate commercial or government standards and specifications. Examples include requirements concerning:

a. Use of a particular CSCI architecture or requirements on the architecture, such as required databases or other software units; use of standard, military, or existing components; or use of Government/acquirer-furnished property (equipment, information, or software)

b. Use of particular design or implementation standards; use of particular data standards; use of a particular programming language, COTS, or GOTS product

c. Flexibility and expandability that must be provided to support anticipated areas of growth or changes in technology, threat, or mission

3.12 Personnel-related requirements. Specify the CSCI requirements, if any, included to accommodate the number, skill levels, duty cycles, training needs, or other information about the personnel who will use or support the CSCI. Examples include requirements for number of simultaneous users and for built-up help or training features. Also included shall be the human factors engineering requirements, if any, imposed on the CSCI. These requirements shall include, as applicable, considerations for the capabilities and limitations of humans; foreseeable human errors under both normal and extreme conditions; and specific areas where the effects of human error would be particularly serious. Examples include requirements for color and duration of error messages, physical placement of critical indicators or keys, and use of auditory signals.

3.13 Training-related requirements. Specify the CSCI requirements, if any, pertaining to training. Examples include training software to be included in the CSCI.

3.14 Logistics-related requirements. Specify the CSCI requirements, if any, concerned with logistics considerations. These considerations may include: system maintenance, software support, system transportation modes, supply-system requirements, impact on existing facilities, and impact on existing equipment.

3.15 Packaging requirements. Specify the requirements, if any, for packaging, labeling, and handling the CSCI for delivery (for example, delivery on CD-ROM labeled and packaged in a certain way). Applicable military specifications and standards may be referenced, if appropriate.

3.16 Precedence and criticality of requirements: Specify, if applicable, the order of precedence, criticality, or assigned weights indicating the relative importance of the requirements in this specification. Examples include identifying those requirements deemed critical to security for purposes of singling them out for special treatment. If all requirements have equal weight, this paragraph shall so state.

4. Qualification provisions. Define a set of qualification methods and specify, for each requirement in Section 3, the method(s) to be used to ensure that the requirement has been met. A table may be used to present this information, or each requirement in Section 3 may be annotated with the method(s) to be used. Qualification methods may include:

a. Demonstration: The operation of the CSCI, or a part of the CSCI that relies on observable functional operation not requiring the use of instrumentation, special test equipment, or subsequent analysis.

b. Test: The operation of the CSCI, or a part of the CSCI, using instrumentation or other special test equipment to collect data for later analysis.

c. Analysis: The processing of accumulated data obtained from other qualification methods. Examples are reduction, interpretation, or extrapolation of test results.

d. Inspection: The visual examination of CSCI code, documentation, etc.

e. Special qualification methods: Any special qualification methods for the CSCI, such as special tools, techniques, procedures, facilities, and acceptance limits.

5. Requirements traceability. Document:

a. Traceability from each CSCI requirement in this specification to the system (andsubsystem, if applicable) requirements it addresses.

Note: Each level of system refinement may result in requirements not directly traceable to higher-level requirements. For example, a system architectural design that creates multiple CSCls may result in requirements about how the CSCIs will interface, even though these interfaces are not covered in system requirements. Such requirements may be traced to a general requirement such as "system implementation" or to the system design decisions that resulted in their generation.

b. Traceability from each system (or subsystem, if applicable) requirement allocated to this CSCI to the CSCI requirements that address it. All system (subsystem) requirements allocated to this CSCI shall be accounted for. Those that trace to CSCI requirements contained in IRSs shall reference those IRSs.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.: A004
2. TITLE OF DATA ITEM: Software Design Description
3. SUBTITLE: SDD
4. AUTHORITY (Data Acquisition Document No.): Contractor Format with Govt Approval
5. CONTRACT REFERENCE: PWS, para.
6. REQUIRING OFFICE: USSTRATCOM/CL154
7. DD 250 REQ: LT
8. APP CODE: N/A
9. DIST STATEMENT REQUIRED: D
10. FREQUENCY: See NOTE 1
11. AS OF DATE: See NOTE 1
12. DATE OF FIRST SUBMISSION: At Preliminary Design Review
13. DATE OF SUBSEQUENT SUBMISSION: At Critical Design Review

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154	1	1	
ESC/NDK*		1	
15. TOTAL ------>	1	2	

16. REMARKS

NOTE 1: SDD(s) will be delivered per increment at PDR and at CDR for acceptance and approval. One SDD to be delivered per CSCI or subsystem that is documented in its own SRS, for those CSCI(s) or subsystems affected in the increment being delivered.

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only

17. PRICE

18. ESTIM TOTA $

G. PREPARED BY: JOHN P. MCDONNELL, LT COL, USAF

H. DATE

I. APPROVED BY: STEVEN J. KOENEKER, MAJ, USAF

J. DATE

Software Design Description (SDD)
A004

The Software Design Description (SDD) describes the design of a Computer Software Configuration Item (CSCI). It describes the CSCI-wide design decisions, the CSCI architectural design, and the detailed design needed to implement the software. The SDD may be supplemented by information contained in the SSDD.

The SDD is used as the basis for implementing the software. It provides the acquirer visibility into the design and provides information needed for software support.

The SDD shall be provided to the government in a format chosen by the contractor and approved by the government. This document contains guidance as to the required content of a document that satisfies CDRL A004.

Design pertaining to interfaces will be presented in the SDD and/or supplemented by information in the SSDD. Design pertaining to databases will be presented in the SDD or DBDD, supplemented by the information contained in the SSDD.

Requirements:

1. Reference Documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering).

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The SSD shall contain the following:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Describe the purpose of the system and the software to which this document applies. It should describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. CSCI-wide design decisions. This section shall highlight any TRD derived requirements where the sum of these CSCI parts equals the whole system performance as required in the TRD to enable government understanding of design decisions. This section shall be divided into paragraphs as needed to present CSCI-wide design decisions, that is, decisions about the CSCI's behavioral design (how it will behave, from a user's point of view, in meeting its requirements, ignoring internal implementation) and other decisions affecting the selection and design of the software units that make up the CSCI. If all such decisions are explicit in the CSCI requirements or are deferred to the design of the CSCI's software units, this section shall so state. Design decisions that respond to requirements designated critical, such as those for safety, security, or privacy, shall be placed in separate subparagraphs. If a design decision depends upon system states or modes, this dependency shall be indicated. Design conventions needed to understand the design shall be presented or referenced. Examples of CSCI-wide design decisions are the following:

a. Design decisions regarding inputs the CSCI will accept and outputs it will produce, including interfaces with other systems, HWCIs, CSCIs, and users (4.3.x of this DID identifies topics to be considered in this description). If part or all of this information is given in an existing ISPAN legacy system or existing external Interface Design Descriptions (IDDs), they may be referenced.

b. Design decisions on CSCI behavior in response to each input or condition, including actions the CSCI will perform, response times and other performance characteristics, description of physical systems modeled, selected equations/algorithms/rules, and handling of unallowed inputs or conditions.

c. Design decisions on how databases/data files will appear to the user (4.3.x of this DID identifies topics to be considered in this description). If part or all of this information is given in an existing ISPAN legacy system Database Design Descriptions (DBDDs), they may be referenced.

d. Selected approach to meeting safety, security, and privacy requirements.

e. Other CSCI-wide design decisions made in response to requirements, such as selected approach to providing required flexibility, availability, and maintainability.

f. Other COTS/GOTS design decisions made in response to requirements identified in the SSDD.

4. CSCI architectural design. This section shall be divided into the following paragraphs to describe the CSCI architectural design. If part or all of the design depends upon system states or modes, this dependency shall be indicated. If design information falls into more than one paragraph, it may be presented once and referenced from the other paragraphs. Design conventions needed to understand the design shall be presented or referenced.

4.1 CSCI components. This paragraph shall:

a. Identify the software units that make up the CSCI and the part it contributes to the whole system concept/design to meet TRD requirements. Each software unit shall be assigned a project-unique identifier.

Note: A software unit is an element in the design of a CSCI; for example, a major subdivision of a CSCI, a component of that subdivision, a class, object, module, function, routine, or database. Software units may occur at different levels of a hierarchy and may consist of other software units. Software units in the design may or may not have a one-to-one relationship with the code and data entities (routines, procedures, databases, data files, etc.) that implement them or with the computer files containing those entities. A database may be treated as a CSCI or as a software unit. The SDD may refer to software units by any name(s) consistent with the design methodology being used.

b. Show the static (such as "consists of") relationship(s) of the software units. Multiple relationships may be presented, depending on the selected software design methodology (for example, in an object-oriented

design, this paragraph may present the class and object structures as well as the module and process architectures of the CSCI).

c. State the purpose of each software unit and identify the CSCI requirements and CSCI-wide design decisions allocated to it. (Alternatively, the allocation of requirements may be provided in 6.a.)

d. Identify each software unit's development status/type (such as new development, existing design or software to be reused as is, existing design or software to be reengineered, software to be developed for reuse, software planned for Build N, etc.) For existing design or software, the description shall provide identifying information, such as name, version, documentation references, library, etc.

e. Describe the CSCI's (and as applicable, each software unit's) planned utilization of computer hardware resources (such as processor capacity, memory capacity, input/output device capacity, auxiliary storage capacity, and communications/network equipment capacity). The description shall cover all computer hardware resources included in resource utilization requirements for the CSCI, in system-level resource allocations affecting the CSCI, and in resource utilization measurement planning in the Software Development Plan. If all utilization data for a given computer hardware resource are presented in a single location, such as in one SDD, this paragraph may reference that source. Included for each computer hardware resource shall be:

1) The CSCI requirements or system-level resource allocations being satisfied

2) The assumptions and conditions on which the utilization data are based (for example, typical usage, worst-case usage, assumption of certain events)

3) Any special considerations affecting the utilization (such as use of virtual memory, overlays, or multiprocessors or the impacts of operating system overhead, library software, or other implementation overhead)

4) The units of measure used (such as percentage of processor capacity, cycles per second, bytes of memory, kilobytes per second)

5) The level(s) at which the estimates or measures will be made (such as software unit, CSCI, or executable program)

f. Identify the program library in which the software that implements each software unit is to be placed

g. The contents of this SDD shall be in concert with the contents of the SSDD. If there is conflict between the two documents, the contents of the SSDD shall govern.

4.2 Concept of execution. This paragraph shall describe the concept of execution among the software units. It shall include diagrams and descriptions showing the dynamic relationship of the software units, that is, how they will interact during CSCI operation, including, as applicable, flow of execution control, data flow, dynamically controlled sequencing, state transition diagrams, timing diagrams, priorities among units, handling of interrupts, timing/sequencing relationships, exception handling, concurrent execution, dynamic allocation/deallocation, dynamic creation/deletion of objects, processes, tasks, and other aspects of dynamic behavior.

4.3 Interface design. This paragraph shall be divided into the following subparagraphs to describe the interface characteristics of the software units. It shall include both interfaces among the software units and their interfaces with external entities such as systems, configuration items, and users. If part or all of this information is contained in Interface Design Descriptions (IDDs) or in section 5 of the SDD, it may be referenced.

4.3.1 Interface identification and diagrams. This paragraph shall state the project-unique identifier assigned to each interface and shall identify the interfacing entities (software units, systems, configuration items, users, etc.) by name, number, version, and documentation references, as applicable. The identification shall state which entities have fixed interface characteristics (and therefore impose interface requirements on interfacing entities) and which

are being developed or modified (thus having interface requirements imposed on them). One or more interface diagrams shall be provided, as appropriate, to depict the interfaces.

4.3.x (Project-unique identifier of interface). This paragraph (beginning with 4.3.2) shall identify an interface by project-unique identifier, shall briefly identify the interfacing entities, and shall be divided into subparagraphs as needed to describe the interface characteristics of one or both of the interfacing entities. If a given interfacing entity is not covered by this SDD (for example, an external system) but its interface characteristics need to be mentioned to describe interfacing entities that are, these characteristics shall be stated as assumptions or as "When [the entity not covered] does this, [the entity that is covered] will . . . ." This paragraph may reference other documents (such as data dictionaries, standards for protocols, and standards for user interfaces) in place of stating the information here. The design description shall include the following, as applicable, presented in any order suited to the information to be provided, and shall note any differences in these characteristics from the point of view of the interfacing entities (such as different expectations about the size, frequency, or other characteristics of data elements):

a. Priority assigned to the interface by the interfacing entity(ies)

b. Type of interface (such as real-time data transfer, storage-and-retrieval of data, etc.) to be implemented

c. Characteristics of individual data elements that the interfacing entity(ies) will provide, store, send, access, receive, etc., such as:
   1) Names/identifiers
      a) Project-unique identifier
      b) Non-technical (natural-language) name
      c) DoD and/or USSTRATCOM standard data element name
      d) Technical name (e.g., variable or field name in code or database)
      e) Abbreviation or synonymous names
   2) Data type (alphanumeric, integer, etc.)
   3) Size and format (such as length and punctuation of a character string)
   4) Units of measurement (such as meters, dollars, nanoseconds)
   5) Range or enumeration of possible values (such as 0-99)
   6) Accuracy (how correct) and precision (number of significant digits)
   7) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the data element may be updated and whether business rules apply
   8) Security and privacy constraints
   9) Sources (setting/sending entities) and recipients (using/receiving entities)

d. Characteristics of data element assemblies (records, messages, files, arrays, displays, reports, etc.) that the interfacing entity(ies) will provide, store, send, access, receive, etc., such as:
   1) Names/identifiers
      a) Project-unique identifier
      b) Non-technical (natural language) name
      c) Technical name (e.g., record or data structure name in code or database)
      d) Abbreviations or synonymous names
   2) Data elements in the assembly and their structure (number, order, grouping)
   3) Medium (such as disk) and structure of data elements/assemblies on the medium
   4) Visual and auditory characteristics of displays and other outputs (such as colors, layouts, fonts, icons and other display elements, beeps, lights)
   5) Relationships among assemblies, such as sorting/access characteristics

6) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the assembly may be updated and whether business rules apply
7) Security and privacy constraints
8) Sources (setting/sending entities) and recipients (using/receiving entities)

e. Characteristics of communication methods that the interfacing entity(ies) will use for the interface, such as:
1) Project-unique identifier(s)
2) Communication links/bands/frequencies/media and their characteristics
3) Message formatting,
4) Flow control (such as sequence numbering and buffer allocation)
5) Data transfer rate, whether periodic/aperiodic, and interval between transfers
6) Routing, addressing, and naming conventions
7) Transmission services, including priority and grade
8) Safety/security/privacy considerations, such as encryption, user authentication, compartmentalization, and auditing

f. Characteristics of protocols that the interfacing entity(ies) will use for the interface, such as:
1) Project-unique identifier(s)
2) Priority/layer of the protocol
3) Packeting, including fragmentation and reassembly, routing, and addressing
4) Legality checks, error control, and recovery procedures
5) Synchronization, including connection establishment, maintenance, termination
6) Status, identification, and any other features including DoD XML Registry reference, as applicable.

g. Other characteristics, such as physical compatibility of the interfacing entity(ies) (dimensions, tolerances, loads, voltages, plug compatibility, etc.)

4.4 COTS/GOTS design requirements. The CSCI design shall be compatible with existing COTS/GOTS products to be used as part of this program. All COTS/GOTS products to be used as part of this design shall be listed and identified. The appropriate reference documents shall be added to section 2 of this SDD and reference here by document, section, and page number.

4.5 DoD design requirements. The CSCI design shall comply with DoD directive concerning software design. The appropriate reference documents shall be added to section 2 of this SDD and reference here by document, section, paragraph, page number, signing authority, and date.

5. CSCI detailed design. This section shall be divided into the following paragraphs to describe each software unit of the CSCI. If part of all of the design depends upon system states or modes, this dependency shall be indicated. If design information falls into more than one paragraph, it may be presented once and referenced from the other paragraphs. Design conventions needed to understand the design shall be presented or referenced. Interface characteristics of software units shall be described here, in Section 4. Software units that are databases, or that are used to access or manipulate databases, may be described here or in Database Design Descriptions (DBDDs).

5.x (Project-unique identifier of a software unit, or designator of a group of software units). This paragraph shall identify a software unit by project-unique identifier and shall describe the unit. The description shall include the following information, as applicable. Alternatively, this paragraph may designate a group of software units and identify and describe the software units in subparagraphs. Software units that contain other software units may reference the descriptions of those units rather than repeating information.

a. Unit design decisions, if any, such as algorithms to be used, if not previously selected

b. Any constraints, limitations, or unusual features in the design of the software unit

c. The programming language to be used and rationale for its use if other than the specified CSCI language

d. If the software unit consists of or contains procedural commands (such as menu selections in a database management system (DBMS) for defining forms and reports, on-line DBMS queries for database access and manipulation, input to a graphical user interface (GUI) builder for automated code generation, commands to the operating system, or shell scripts), a list of the procedural commands and reference to user manuals or other documents that explain them

e. If the software unit contains, receives, or outputs data, a description of its inputs, outputs, and other data elements and data element assemblies, as applicable. Paragraph 4.3.x of this DID provides a list of topics to be covered, as applicable. Data local to the software unit shall be described separately from data input to or output from the software unit. If the software unit is a database, a corresponding Database Design Description (DBDD) shall be referenced; interface characteristics may be provided by referencing section 4 of this document.

f. If the software unit contains logic, the logic to be used by the software unit, including, as applicable:

1) Conditions in effect within the software unit when its execution is initiated
2) Conditions under which control is passed to other software units
3) Response and response time to each input, including data conversion, renaming, and data transfer operations
4) Sequence of operations and dynamically controlled sequencing during the software unit's operation, including:
    a) The method for sequence control
    b) The logic and input conditions of that method, such as timing variations, priority assignments
    c) Data transfer in and out of memory
    d) The sensing of discrete input signals, and timing relationships between interrupt operations within the software unit
5) Exception and error handling

6. Requirements traceability. This section shall contain:

a. Traceability from each software unit identified in this SDD to the CSCI requirements allocated to it by the TRD and the part it contributes to the whole system concept/design to meet TRD requirements. (Alternatively, this traceability may be provided in 4.1.)

b. Traceability from each CSCI requirement to the software units to which it is allocated. The intent is, by-directional requirements traceability from government requirements through detailed design and system validation/verification.

7. Notes. This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section shall include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.

A. Appendixes. Appendixes may be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendixes may be bound as separate documents for ease in handling. Appendixes shall be lettered alphabetically (A, B, etc.).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved CMB No.0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for re ceiving 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 the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701 -0188), 1215 Jefferson Davis highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contraction Officer for the Contra/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE
A005	Data Base Design Document	DBDD	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIM TOTA
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154	$

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT	D	See Block 16	At Preliminary Design Review	
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**	
N/A		Date of submission	At Critical Design Review	

16. REMARKS

Block 10: Document to be delivered for government review and approval as necessary for increment being developed.

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal Letter Only

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154	1	1	
ESC/NDK*			
15. TOTAL ------>	1	2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

Data Base Design Document
(A005)

The Database Design Description (DBDD) describes the design of a database, that is, a collection of related data stored in one or more computerized files in a manner that can be accessed by users or computer programs via a database management system (DBMS). It can also describe the software units used to access or manipulate the data.

The DBDD is used as the basis for implementing the database and related software units. It provides the acquirer visibility into the design and provides information needed for software support. The contractor shall develop and deliver, for government review and approval, a DBDD for the system that meets TRD and TDD performance requirements.

The DBDD shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A005.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of the document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering)

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The deliverable shall contain the following information:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Briefly state the purpose of the system and the software to which this document applies. Describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. Database-wide design decisions. This section shall be divided into paragraphs as needed to present database-wide design decisions, that is, decisions about the database's behavioral design (how it will behave, from a user's point of view, in meeting its requirements, ignoring internal implementation) and other decisions affecting further design of the database. If all such decisions are explicit in the system or CSCI requirements, this section shall so state. Design decisions that respond to requirements designated critical, such as those for safety, security, or privacy, shall be placed in separate subparagraphs. If a design decision depends upon system states or modes, this dependency shall be indicated. If some or all of the design decisions are described in the documentation of a custom/GOTS and/or commercial database management system (DBMS), they may be referenced from this section. Design conventions needed to understand the design shall be presented or referenced. Examples of database-wide design decisions are the following:

a. Design decisions regarding queries or other inputs the database will accept and outputs (displays, reports, messages, responses, etc.) it will produce, including interfaces with other systems, HWCIs, CSCIs, and users (5.x.d of this DID identifies topics to be considered in this description). If part or all of this information is given in Interface Design Descriptions (IDDs), they may be referenced.

b. Design decisions on database behavior in response to each input or query, including actions, response times and other performance characteristics, selected equations/algorithms/rules, disposition, and handling of unallowed inputs

c. Design decisions on how databases/data files will appear to the user (4.x of this DID identifies topics to be considered in this description)

d. Design decisions on the database management system to be used (including name, version/release) and the type of flexibility to be built into the database for adapting to changing requirements

e. Design decisions on the levels and types of availability, security, privacy, and continuity of operations to be offered by the database

f. Design decisions on database distribution (such as client/server), master database file updates and maintenance, including maintaining consistency, establishing/ reestablishing and maintaining synchronization, enforcing integrity and business rules

g. Design decisions on backup and restoration including data and process distribution strategies, permissible actions during backup and restoration, and special considerations for new or non-standard technologies such as video and sound

h. Design decisions on repacking, sorting, indexing, synchronization, and consistency including automated disk management and space reclamation considerations, optimizing strategies and considerations, storage and size considerations, and population of the database and capture of legacy data

4. Detailed requirements of the database. This section shall be divided into paragraphs as needed to describe the detailed requirements of the database. Examples of database requirements include conceptual, internal, logical, and physical. Design conventions needed to understand the design shall be presented or referenced.

Note: This DID uses the term "data element assembly" to mean any entity, relation, schema, field, table, array, etc., that has structure (number/order/grouping of data elements) at a given design level (e.g., conceptual, internal, logical, physical) and the term "data element" to mean any relation, attribute, field, cell, data element, etc. that does not have structure at that level.

4.x (Name of database element). This paragraph shall describe the data elements and data element assemblies of the database in the terminology of the selected design method. The information shall include the following, as applicable, presented in any order suited to the information to be provided:

a. Characteristics of individual data elements in the database design, such as:

1) Names/identifiers
    a) Project-unique identifier
    b) Non-technical (natural-language) name
    c) DoD and/or STRATCOM standard data element name
    d) Technical name (e.g., field name in the database)
    e) Abbreviation or synonymous names
2) Data type (alphanumeric, integer, etc.)
3) Size and format (such as length and punctuation of a character string)
4) Units of measurement (such as meters, dollars, nanoseconds)
5) Range or enumeration of possible values (such as 0-99)
6) Accuracy (how correct) and precision (number of significant digits)
7) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the data element may be updated and whether business rules apply
8) Security and privacy constraints
9) Sources (setting/sending entities) and recipients (using/receiving entities)

b. Characteristics of data element assemblies (records, messages, files, arrays, displays, reports, etc.) in the database design, such as:

1) Names/identifiers
    a) Project-unique identifier
    b) Non-technical (natural language) name
    c) Technical name (e.g., record or data structure name in code or database)
    d) Abbreviations or synonymous names
2) Data elements in the assembly and their structure (number, order, grouping)
3) Medium (such as disk) and structure of data elements/assemblies on the medium
4) Visual and auditory characteristics of displays and other outputs (such as colors, layouts, fonts, icons and other display elements, beeps, lights)
5) Relationships among assemblies, such as sorting/access characteristics
6) Priority, timing, frequency, volume, sequencing, and other constraints, such as whether the assembly may be updated and whether business rules apply
7) Security and privacy constraints
8) Sources (setting/sending entities) and recipients (using/receiving entities)

5. Detailed design of software units used for database access or manipulation. This section shall be divided into the following paragraphs to describe each software unit used for database access or manipulation. If part or all of this information is provided elsewhere, such as in a Software Design Description (SDD), the SDD for a customized DBMS, or the user manual of a commercial DBMS, that information may be referenced rather than repeated here. If part or all of the design depends upon system states or modes, this dependency shall be indicated. If design information falls into more than one paragraph, it may be presented once and referenced from the other paragraphs. Design conventions needed to understand the design shall be presented or referenced.

5.x (Project-unique identifier of a software unit, or designator for a group of software units). This paragraph shall identify a software unit by project-unique identifier and shall describe the unit. The description shall include the following information, as applicable. Alternatively, this paragraph may designate a group of software units and identify and describe the software units in subparagraphs. Software units that contain other software units may reference the descriptions of those units rather than repeating information.

a. Unit design decisions, if any, such as algorithms to be used, if not previously selected
b. Any constraints, limitations, or unusual features in the design of the software unit
c. The programming language to be used and rationale for its use if other than the specified CSCI language, as applicable

d. If the software unit consists of or contains procedural commands (such as menu selections in a database management system (DBMS) for defining forms and reports, on-line DBMS queries for database access and manipulation, input to a graphical user interface (GUI) builder for automated code generation, commands to the operating system, or shell scripts), a list of the procedural commands and a reference to user manuals or other documents that explain them, as necessary but the software shall utilize the existing database procedural commands and/or APIs to a maximum extent

e. If the software unit contains, receives, or outputs data, a description of its inputs, outputs, and other data elements and data element assemblies, as applicable. Data local to the software unit shall be described separately from data input to or output from the software unit. Interface characteristics may be provided here or by referencing Interface Design Description(s). If a given interfacing entity is not covered by this DBDD (for example, an external system) but its interface characteristics need to be mentioned to describe software units that are, these characteristics shall be stated as assumptions or as "When [the entity not covered] does this, [the software unit] will....". The majority of the interface requirements shall be defined in the SSDD. This paragraph may reference other documents (such as data dictionaries, standards for protocols, and standards for user interfaces) in place of stating the information here. The design description shall include the following, as applicable, and be compatible with the format defined in the SSDD, presented in any order suited to the information to be provided, and shall note any differences in these characteristics from the point of view of the interfacing entities (such as different expectations about the size, frequency, or other characteristics of data elements):

1) Project-unique identifier for the interface
2) Identification of the interfacing entities (software units, configuration items, users, etc.) by name, number, version, and documentation references, as applicable
3) Priority assigned to the interface by the interfacing entity(ies)
4) Type of interface (such as real-time data transfer, storage-and-retrieval of data, etc.) to be implemented
5) Characteristics of individual data elements that the interfacing entity(ies) will provide, store, send, access, receive, etc. Paragraph 4.x.a of this DID identifies topics to be covered in this description.
6) Characteristics of data element assemblies (records, messages, files, arrays, displays, reports, etc.) that the interfacing entity(ies) will provide, store, send, access, receive, etc. Paragraph 4.x.b of this DID identifies topics to be covered in this description.
7) Characteristics of communication methods that the interfacing entity(ies) will use for the interface, such as:
    a) Project-unique identifier(s)
    b) Communication links/bands/frequencies/media and their characteristics
    c) Message formatting
    d) Flow control (such as sequence numbering and buffer allocation)
    e) Data transfer rate, whether periodic/aperiodic, and interval between transfers
    f) Routing, addressing, and naming conventions
    g) Transmission services, including priority and grade
    h) Safety/security/privacy considerations
8) Characteristics of protocols that the interfacing entity(ies) will use for the interface, such as:
    a) Project-unique identifier(s)
    b) Priority/layer of the protocol
    c) Packeting, including fragmentation and reassembly, routing, and addressing
    d) Legality checks, error control, and recovery procedures
    e) Synchronization, including connection establishment, maintenance, termination
    f) Status, identification, and any other reporting features
9) Other characteristics, such as physical compatibility of the interfacing entity(ies) (dimensions, tolerances, loads, voltages, plug compatibility, etc.)

f. If the software unit contains logic, the logic to be used by the software unit, including, as applicable:

1) Conditions in effect within the software unit when its execution is initiated
2) Conditions under which control is passed to other software units

3) Response and response time to each input, including data conversion, renaming, and data transfer operations
4) Sequence of operations and dynamically controlled sequencing during the software unit's operation, including:
    a) The method for sequence control
    b) The logic and input conditions of that method, such as timing variations, priority assignments
    c) Data transfer in and out of memory
    d) The sensing of discrete input signals, and timing relationships between interrupt operations within the software unit
5) Exception and error handling

6. Requirements traceability. This section shall contain: The intent is, by-directional requirements traceability from government requirements through detailed design and system validation/verification.

a. Traceability from each database or other software unit covered by this DBDD to the system or CSCI requirements it addresses as identified in the SSDD and SRS.

b. Traceability from each system or CSCI requirement that has been allocated to a database or other software unit covered in this DBDD to the database or other software units that address it as identified in the SDD.

7. Notes. This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section shall include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.

A. Appendices. Appendices may be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendices may be bound as separate documents for ease in handling. Appendices shall be lettered alphabetically (A, B, etc.).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.: A006
2. TITLE OF DATA ITEM: Risk Management Plan
3. SUBTITLE: RMP

17. PRICE

18. ESTIM TOTA $

4. AUTHORITY (Data Acquisition Document No.): Contractor Format with Govt Approval
5. CONTRACT REFERENCE: PWS, para.
6. REQUIRING OFFICE: USSTRATCOM/CL154
7. DD 250 REQ: LT
8. APP CODE: N/A
9. DIST STATEMENT REQUIRED: D
10. FREQUENCY: See Block 16
11. AS OF DATE: Date of submission
12. DATE OF FIRST SUBMISSION: 45 days after contract award
13. DATE OF SUBSEQUENT SUBMISSION: As requested by govt.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

16. REMARKS

Block 10: RMP delivered for acceptance and approval when government or contractor processes change sufficiently to drive govt. request.

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

Risk Management Plan
A006

The Risk Management Plan (RMP) will cite all contractor identified/perceived program risks and how the contractor intends to mitigate those risks. It should be kept current via the virtual/web network ("electronic portal") with new risks and status of identified risks identified in a timely manner. The RMP is delivered monthly as updated on the electronic portal, optionally as a separate document, or as part of the Program Management Plan (PMP).

The RMP shall be provided to the government in a format chosen by the contractor and approved by the government. This document contains guidance as to the required content of a document that satisfies CDRL A006.

Requirements:

1. Reference Documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, the initial artifacts for the RMP shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering). Introductory material identified in the "Content" section is required only if the RMP is delivered as a separate document.

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The RMP shall contain the following:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Describe the purpose of the system and the software to which this document applies. It should describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. Risks, Risk Management, and Risk Mitigation. This document should contain the record and plans of how the contractor intends to manage project risks.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP _____ TM _____ OTHER _____X_____

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A007	Software Test Plan	STP

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT	D	See Block 16	At Preliminary Design Review	

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	Date of submission	As required

16. REMARKS

Block 10: STP delivered for govt. acceptance and approval per Block at the first preliminary design review (PDR), and will be updated/revised per increment per SRS for those CSCI(s) or subsystems affected in the increment being delivered only when changes are required in the STP.

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

17. PRICE

18. ESTIM TOTA

$

Software Test Plan
A007

The Software Test Plan (STP) describes plans for developmental test and evaluation (DT&E) of Computer Software Configuration Items (CSCIs) and software systems. It describes the software test environment, which includes integration testing of ISPAN legacy, COTS/GOTS, and developed software, to be used for the testing. It should identify the tests to be performed, and provide schedules for test activities for each delivery to the government. The STP should not preclude the conduct of a combined Development Testing/Operational testing (DT/OT) activities.

There is a single STP for the contracted effort, with updates as necessary for each software increment. The STP enables the acquirer to assess the adequacy of planning for CSCIs and contractor's DT&E efforts for government acceptance.

The STP shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A007.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of the document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering)

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The deliverable shall contain the following information:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Briefly state the purpose of the system and the software to which this document applies. Describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents, memoranda, and guidance referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. Software test environment. This section shall be divided into the following paragraphs to describe the software test environment at each intended test activity. Reference may be made to the Software Development Plan (SDP) for resources that are described there.

3.x (Name of test activity(s)). This paragraph shall identify one or more test activity to be used for the testing, and shall be divided into the following subparagraphs to describe the software test environment for each activity(s). It is assumed that all testing will be conducted at the contractor's facility, but this is not a requirement. The contractor shall identify any contractor DT&E to be performed in the government "Test" environment.

3.x.1 Software items. This paragraph shall identify by name, number, and version, as applicable, the software items (e.g., operating systems, compilers, communications software, related applications software, software security, databases, input files, code auditors, dynamic path analyzers, test drivers, preprocessors, test data generators, test control software, other special test software, post-processors) necessary to perform the planned testing activities at the test site(s). This paragraph shall describe the purpose of each item, describe its media (tape, disk, etc.), identify those that are expected to be supplied by the contractor, identify those that are expected to be supplied by the government, and identify any classified processing or other security or privacy issues associated with the software items.

3.x.2 Hardware and firmware items. This paragraph shall identify by name, number, and version, as applicable, the computer hardware, interfacing equipment, communications equipment, test data reduction equipment, apparatus such as extra peripherals (tape drives, printers, plotters), test message generators, test timing devices, test event records, etc., and firmware items that will be used in the software test environment at the test site(s). This paragraph shall describe the purpose of each item, state the period of usage and the number of each item needed, identify those that are expected to be supplied by the site, and identify any classified processing or other security or privacy issues associated with the items.

3.x.3 Other materials. This paragraph shall identify and describe any other materials needed for the testing at the test site(s). These materials may include COTS/GOTS, test tools, analysis tools, configuration management tools, manuals, software listings, media containing the software to be tested, media containing data to be used in the tests, sample listings of outputs, and other forms or instructions. This paragraph shall identify those items that are to be delivered to the site and those that are expected to be supplied by the site. The description shall include the type, layout, and quantity of the materials, as applicable. This paragraph shall identify any classified processing or other security or privacy issues associated with the items.

3.x.4 Proprietary nature, acquirer's rights, and licensing. This paragraph shall identify the proprietary nature, acquirer's rights, and licensing issues associated with each element of the software test environment.

3.x.5 Installation, testing, and control. This paragraph shall identify the developer's plans for performing each of the following, possibly in conjunction with personnel at the test site(s):

a. Acquiring or developing each element of the software test environment
b. Installing and testing each item of the software test environment prior to its use
c. Controlling and maintaining each item of the software test environment

3.x.6 Participating organizations. This paragraph shall identify the organizations that will participate in the testing at the test sites(s) and the roles and responsibilities of each. The contractor shall identify which testing activities will utilize a separate test organization for the conduct of these activities (e.g. dry runs, formal tests, regression tests, etc). Formal test conduct and results shall be in accordance with the contractor's QA procedures.

3.x.7 Personnel. This paragraph shall identify the number, type, and skill level of personnel needed during the test period at the test site(s), the dates and times they will be needed, and any special needs, such as multi-shift operation and retention of key skills to ensure continuity and consistency in extensive test programs.

3.x.8 Orientation plan. This paragraph shall describe any orientation and training to be given before and during the testing. This information shall be related to the personnel needs given in 3.x.7. This training may include user instruction, operator instruction, maintenance and control group instruction, and orientation briefings to staff personnel.

3.x.9 Tests to be performed. This paragraph shall identify, by referencing section 4, the tests to be performed at the test site(s).

4. Test identification. This section shall be divided into the following paragraphs to identify and describe each test to which this STP applies.

4.1 General information. This paragraph shall be divided into subparagraphs to present general information applicable to the overall testing to be performed.

4.1.1 Test levels. This paragraph shall describe the levels at which testing will be performed, for example, CSCI level or system level.

4.1.2 Test classes. This paragraph shall describe the types or classes of tests that will be performed (for example, timing tests, erroneous input tests, maximum capacity tests, performance, stability, etc).

4.1.3 General test conditions. This paragraph shall describe conditions that apply to all of the tests or to a group of tests. For example: "Each test shall include nominal, maximum, and minimum values;" "each test of type x shall use live data;" "execution size and time shall be measured for each CSCI." Included shall be a statement of the extent of testing to be performed and rationale for the extent selected. The extent of testing shall be expressed as a percentage of some well-defined total quantity, such as the number of samples of discrete operating conditions or values, or other sampling approach. Also included shall be the approach to be followed for retesting/regression testing.

4.1.4 Test progression. In cases of progressive or cumulative tests, this paragraph shall explain the planned sequence or progression of tests.

4.1.5 Data recording, reduction, and analysis. This paragraph shall identify and describe the data recording, reduction, and analysis procedures to be used during and after the tests identified in this STP. These procedures shall include, as applicable, manual, automatic, and semi-automatic techniques for recording test results, manipulating the raw results into a form suitable for evaluation, and retaining the results of data reduction and analysis.

4.2 Planned tests. This paragraph shall be divided into the following subparagraphs to describe the total scope of the planned testing.

4.2.x (Item(s) to be tested). This paragraph shall identify a CSCI, subsystem, system, or other entity by name and project-unique identifier, and shall be divided into the following subparagraphs to describe the testing planned for the item(s). (Note: the "tests" in this plan are collections of test cases. There is no intent to describe each test case in this document.)

4.2.x.y (Project-unique identifier of a test). This paragraph shall identify a test by project-unique identifier and shall provide the information specified below for the test. Reference may be made as needed to the general information in 4.1.

a. Test objective
b. Test level
c. Test type or class
d. Qualification method(s) as specified in the requirements specification
e. Identifier of the CSCI requirements and, if applicable, software system requirements addressed by this test. (Alternatively, this information may be provided in Section 6.)

f. Special requirements (for example, 48 hours of continuous facility time, weapon simulation, extent of test, use of a special input or database)

g. Type of data to be recorded

h. Type of data recording/reduction/analysis to be employed

i. Assumptions and constraints, such as anticipated limitations on the test due to system or test conditions--timing, interfaces, equipment, personnel, database, etc.

j. Safety, security, and privacy considerations associated with the test

5. Test schedules. This section shall contain or reference the schedules for conducting the tests identified in this plan. It shall include:

a. A listing or chart depicting the sites at which the testing will be scheduled and the time frames during which the testing will be conducted

b. A schedule for each test site depicting the activities and events listed below, as applicable, in chronological order with supporting narrative as necessary:

1) On-site test period and periods assigned to major portions of the testing

2) Pretest on-site period needed for setting up the software test environment and other equipment, system debugging, orientation, and familiarization

3) Collection of database/data file values, input values, and other operational data needed for the testing

4) Conducting the tests, including planned retesting

5) Preparation, review, and approval of the Software Test Report (STR)

6. Requirements traceability. This paragraph shall contain: The intent is, by-directional requirements traceability from government requirements through detailed design and system validation/verification.

a. Traceability from each test identified in this plan to the CSCI requirements and, if applicable, software system requirements it addresses. (Alternatively, this traceability may be provided in 4.2.x.y and referenced from this paragraph.)

b. Traceability from each CSCI requirement and, if applicable, each software system requirement covered by this test plan to the test(s) that address it. The traceability shall cover the CSCI requirements in all applicable Software Requirements Specifications (SRSs) and, for software systems, the system requirements in all applicable System/ Subsystem Specifications (SSDDs) and associated system-level IRSs.

7. Notes. This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section may include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.

8. Test Conduct. The contractor shall identify the organizations and participants of each of the testing activities. This shall include dry run procedures, red-lined and modifications to the test description, pre-test briefings, post-test briefings, deviation reports, and retesting/regression. It is acceptable to provide and reference the contractor's standard test conduct standards.

A. Appendices. Appendices may be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendices may be bound as separate documents for ease in handling. Appendices shall be lettered alphabetically (A, B, etc.).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for receiving instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comme nts regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701 -0188), 1215 Jefferson Davis highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contraction Officer for the Contra/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.: A008
2. TITLE OF DATA ITEM: Software Test Description
3. SUBTITLE: STD

17. PRICE

18. ESTIM TOTA $

4. AUTHORITY (Data Acquisition Document No.): Contractor Format with Govt Approval
5. CONTRACT REFERENCE: PWS, para.
6. REQUIRING OFFICE: USSTRATCOM/CL154
7. DD 250 REQ: LT
8. APP CODE: N/A
9. DIST STATEMENT REQUIRED: D
10. FREQUENCY: See Block 16
11. AS OF DATE: Date of submission
12 DATE OF FIRST SUBMISSION: At Test Readiness Review
13. DATE OF SUBSEQUENT SUBMISSION: As required

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

16. REMARKS

Block 10 Continued: STD(s) delivered for acceptance and approval per increment per STP for those CSCI(s) or subsystems effected in the increment being delivered.

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

Software Test Descriptions
A008

The Software Test Description (STD) describes the test preparations, test cases, and test procedures to be used to perform contractor's DT&E on the Computer Software Configuration Item (CSCI), software unit, or a software system or subsystem. There shall be several STDs in concert with the incremental software implementation. The STD enables the acquirer to assess the adequacy of the contractor's DT&E testing to be performed.

The STD shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A008.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of the document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering)

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The deliverable shall contain the following information:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Briefly state the purpose of the system and the software to which this document applies. Describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents, memoranda, and guidance referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. Test preparations. This section shall be divided into the following paragraphs. Safety precautions, marked by WARNING or CAUTION, and security and privacy considerations shall be included, as applicable.

3.x (Project-unique identifier of a test). This paragraph shall identify a test by project-unique identifier, shall provide a brief description, and shall be divided into the following subparagraphs. When the information required duplicates information previously specified for another test, that information may be referenced rather than repeated.

3.x.1 Hardware preparation (optional). This paragraph shall describe the procedures necessary to prepare the hardware for the test. Reference may be made to published operating manuals for these procedures. The following shall be provided, as applicable:

a. The specific hardware to be used, identified by name and, if applicable, number
b. Any switch settings and cabling necessary to connect the hardware
c. One or more diagrams to show hardware, interconnecting control, and data paths
d. Step-by-step instructions for placing the hardware in a state of readiness

3.x.2 Software preparation. This paragraph shall describe the procedures necessary to prepare the item(s) under test and any related software, including data, for the test. Reference may be made to published software manuals for these procedures. The following information shall be provided, as applicable:

a. The specific software to be used in the test
b. The storage medium of the item(s) under test (e.g., magnetic tape, diskette)
c. The storage medium of any related software (e.g., simulators, test drivers, databases
d. Instructions for loading the software, including required sequence
e. Instructions for software initialization common to more than one test case
f. Identification of regression testing
g. Completion of dry runs
h. Identification of all internal/external interfaces.
i. Identification of required ISPAN legacy software
j. Identification of required COTS/GOTS
k. Identification of analysis tools

3.x.3 Other pre-test preparations. This paragraph shall describe any other pre-test personnel actions, preparations, or procedures necessary to perform the test.

4. Test descriptions. This section shall be divided into the following paragraphs. Safety precautions, marked by WARNING or CAUTION, and security and privacy considerations shall be included, as applicable.

4.x (Project-unique identifier of a test). This paragraph shall identify a test by project-unique identifier and shall be divided into the following subparagraphs. When the required information duplicates information previously provided, that information may be referenced rather than repeated.

4.x.y (Project-unique identifier of a test case). This paragraph shall identify a test case by project-unique identifier, state its purpose, and provide a brief description. The following subparagraphs shall provide a detailed description of the test case.

4.x.y.1 Requirements addressed. This paragraph shall identify the CSCI, software unit, or system requirements addressed by the test case.

4.x.y.2 Prerequisite conditions. This paragraph shall identify any prerequisite conditions that must be established prior to performing the test case. The following considerations shall be discussed, as applicable:

a. Hardware and software configuration
b. Flags, initial breakpoints, pointers, control parameters, or initial data to be set/reset prior to test commencement
c. Preset hardware conditions or electrical states necessary to run the test case
d. Initial conditions to be used in making timing measurements

e. Conditioning of the simulated environment
f. Other special conditions peculiar to the test case
g. Utilization of any testing tools
h. Operator training

4.x.y.3 Test inputs. This paragraph shall describe the test inputs necessary for the test case. The following shall be provided, as applicable:

a. Name, purpose, and description (e.g., range of values, accuracy) of each test input
b. Source of the test input and the method to be used for selecting the test input
c. Whether the test input is real or simulated
d. Time or event sequence of test input
e. The manner in which the input data will be controlled to:
    1) Test the item(s) with a minimum/reasonable number of data types and values
    2) Exercise the item(s) with a range of valid data types and values that test for overload, saturation, and other "worst case" effects
    3) Exercise the item(s) with invalid data types and values to test for appropriate handling of irregular inputs
    4) Permit retesting, if necessary

4.x.y.4 Expected test results. This paragraph shall identify all expected test results for the test case. Both preliminary, intermediate, and final test results shall be provided, as applicable.

4.x.y.5 Criteria for evaluating results. This paragraph shall identify the criteria to be used for evaluating the intermediate and final results of the test case. For each test result, the following information shall be provided, as applicable:

a. The range or accuracy over which an output can vary and still be acceptable
b. Minimum number of combinations or alternatives of input and output conditions that constitute an acceptable test result
c. Maximum/minimum allowable test duration, in terms of time or number of events
d. Maximum number of interrupts, halts, or other system breaks that may occur
e. Allowable severity of processing errors
f. Conditions under which the result is inconclusive and re-testing is to be performed
g. Conditions under which the outputs are to be interpreted as indicating irregularities in input test data, in the test database/data files, or in test procedures
h. Allowable indications of the control, status, and results of the test and the readiness for the next test case (may be output of auxiliary test software)
i. Additional criteria not mentioned above.

4.x.y.6 Test procedure. This paragraph shall define the test procedure for the test case. The test procedure shall be defined as a series of individually numbered steps, listed sequentially in the order in which the steps are to be performed. For convenience in document maintenance, the test procedures may be included as an appendix and referenced in this paragraph. The appropriate level of detail in each test procedure depends on the type of software being tested. For some software, each keystroke may be a separate test procedure step; for most software, each step may include a logically related series of keystrokes or other actions. The appropriate level of detail is the level at which it is useful to specify expected results and compare them to actual results. The following shall be provided for each test procedure, as applicable:

a. Test operator actions and equipment operation required for each step, including commands, as applicable, to:

    1) Initiate the test case and apply test inputs
    2) Inspect test conditions
    3) Perform interim evaluations of test results
    4) Record data

5) Halt or interrupt the test case
6) Request data dumps or other aids, if needed
7) Modify the database/data files
8) Repeat the test case if unsuccessful
9) Apply alternate modes as required by the test case
10) Terminate the test case

b. Expected result and evaluation criteria for each step

1) Methodology of test verification (inspection, demonstration, test, or analysis)

c. If the test case addresses multiple requirements, identification of which test procedure step(s) address which requirements. (Alternatively, this information may be provided in 5.)

d. Actions to follow in the event of a program stop or indicated error, such as:

1) Recording of critical data from indicators for reference purposes
2) Halting or pausing time-sensitive test-support software and test apparatus
3) Collection of system and operator records of test results

e. Procedures to be used to reduce and analyze test results to accomplish the following, as applicable:

1) Detect whether an output has been produced
2) Identify media and location of data produced by the test case
3) Evaluate output as a basis for continuation of test sequence
4) Evaluate test output against required output

4.x.y.7 Assumptions and constraints. This paragraph shall identify any assumptions made and constraints or limitations imposed in the description of the test case due to system or test conditions, such as limitations on timing, interfaces, equipment, personnel, and database/data files. If waivers or exceptions to specified limits and parameters are approved, they shall be identified and this paragraph shall address their effects and impacts upon the test case.

5. Requirements traceability. This paragraph shall contain: The intent is, by-directional requirements traceability from government requirements through detailed design and system validation/verification.

a. Traceability from each test case in this STD to the system (SSDD) or CSCI (SRS) requirements it addresses. If a test case addresses multiple requirements, traceability from each set of test procedure steps to the requirement(s) addressed. (Alternatively, this traceability may be provided in 4.x.y.1.)

b. Traceability from each system or CSCI requirement covered by this STD to the test case(s) that address it. For CSCI testing, traceability from each CSCI requirement in the CSCI's Software Requirements Specification (SRS) and associated DBDD. For system testing, traceability from each system requirement in the system's System/Subsystem Design Description (SSDD). If a test case addresses multiple requirements, the traceability shall indicate the particular test procedure steps that address each requirement.

6. Notes. This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section shall include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.

7. Test Conduct. The contractor shall identify the organizations and participants of each of the testing activities. This shall include dry run procedures, red-lined and modifications to the test description, pre-test

briefings, post-test briefings, deviation reports, and retesting/regression. It is acceptable to provide and reference the contractor's standard test conduct standards

A. Appendices. Appendices may be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendices may be bound as separate documents for ease in handling. Appendices shall be lettered alphabetically (A, B, etc.).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for receiving 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 the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contraction Officer for the Contra/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A009	Software Test Report	STP

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT	D	See Block 16	15 days after test	
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**	
N/A		Date of submission	As required	

17. PRICE

18. ESTIM TOTA
$

16. REMARKS

Block 10. STR(s) delivered for acceptance and approval per increment per STD for those CSCI(s) or subsystems affected in the increment being delivered.

Block 14. Submittal in electronic format required

See attached document for content guidance

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

Software Test Report
A009

The Software Test Report (STR) is a record of the contractor's DT&E testing performed on a Computer Software Configuration Item (CSCI), software unit, software system or subsystem, or other software-related item and is presented at the contractor's Production Readiness Review/IMP exit criteria approval point, as applicable prior to government software delivery acceptance and start of government OT&E.

The STR enables the acquirer to assess the contractor's DT&E testing and its results.

The STR shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A009.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of the document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering)

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The deliverable shall contain the following information:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Briefly state the purpose of the system and the software to which this document applies. Describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents, memoranda, and guidance referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. Overview of test results. This section shall be divided into the following paragraphs to provide an overview of test results.

3.1 Failure level criteria The level 1, 2, and 3 failure criteria shall be chosen by the contractor, approved by the government, and documented in the STP.

3.2 Overall assessment of the software tested. This paragraph shall:

a. Provide an overall assessment of the software as demonstrated by the test results in this report; include a synopsis of levels 1, 2, and 3 failures.

b. Identify any remaining deficiencies, limitations, or constraints that were detected by the testing performed. Problem/change reports may be used to provide deficiency information.

c. For each remaining deficiency, limitation, or constraint, describes:

1) Its impact on software and system performance, including identification of requirements not met.

2) The impact on software and system design to correct it.

3) A recommended solution/approach for correcting it.

4. Detailed test results. This section shall be divided into the following paragraphs to describe the detailed results for each test. Note: The word "test" means a related collection of test cases.

4.x (Project-unique identifier of a test). This paragraph shall identify a test by project-unique identifier and shall be divided into the following subparagraphs to describe the test results.

4.x.1 Summary of test results. This paragraph shall summarize the results of the test. The summary shall include, possibly in a table, the completion status of each test case associated with the test (for example, "all results as expected," "problems encountered," "deviations required"). When the completion status is not "as expected," this paragraph shall reference the following paragraphs for details.

4.x.2 Problems encountered. This paragraph shall be divided into subparagraphs that identify each test case in which one or more problems occurred.

4.x.2.y (Project-unique identifier of a test case). This paragraph shall identify by project-unique identifier a test case in which one or more problems occurred, and shall provide:

a. A brief description of the problem(s) that occurred

b. Identification of the test procedure step(s) in which they occurred

c. Reference(s) to the associated problem/change report(s) and backup data, as applicable

d. The number of times the procedure or step was repeated in attempting to correct the problem(s) and the outcome of each attempt

e. Back-up points or test steps where tests were resumed for retesting

4.x.3 Deviations from test cases/procedures. This paragraph shall be divided into subparagraphs that identify each test case in which deviations from test case/test procedures occurred.

4.x.3.y (Project-unique identifier of a test case). This paragraph shall identify by project-unique identifier a test case in which one or more deviations occurred, and shall provide:

a. A description of the deviation(s) (for example, test case run in which the deviation occurred and nature of the deviation, such as substitution of required equipment, procedural steps not followed, schedule deviations). (Red-lined test procedures may be used to show the deviations)

b. The rationale for the deviation(s)

c. An assessment of the deviations' impact on the validity of the test case

5. Test log. This section shall present, possibly in a figure or appendix, a chronological record of the test events covered by this report. This test log shall include:

a. The date(s), time(s), and location(s) of the tests performed

b. The hardware and software configurations used for each test including, as applicable, part/model/serial number, manufacturer, revision level, and calibration date of all hardware, and version number and name for the software components used

c. The date and time of each test-related activity, the identity of the individual(s) who performed the activity, and the identities of witnesses, as applicable

6. Test Procedures. A copy of the government approved contractor’s actual test procedures shall be provided as an appendix to this report. The test procedures shall contain at minimum the signatures of the tester, test director, QA representative, government witnesses, et al.

7. Notes. This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section shall include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.

A. Appendices. Appendices may be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendices may be bound as separate documents for ease in handling. Appendices shall be lettered alphabetically (A, B, etc.).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP _____ TM _____ OTHER _____X_____

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A010	Draft Operational Test and Evaluation Plan	Draft OT&E

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT	D	See Block 16	60 days prior to OT&E	

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	Date of submission	As required

16. REMARKS

Block 10. Draft OT&E update delivered for acceptance and approval for each OT event per incremental release for those CSCI(s) or subsystems affected in the increment being delivered and for each major OT event per block, as required by the IMP exit criteria.

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only
Block 14. Submittal in electronic format required

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

17. PRICE

18. ESTIM TOTA

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Draft Operational Test and Evaluation Plan
A010

The contractor shall assist the government in generating the Draft Operational Test and Evaluation Plan (OT&E). The Draft OT&E plan describes the plans for the operational tests to be performed on the production Computer Software Configuration Items (CSCIs) and software systems to evaluate the operational effectiveness, suitability, and access the operational impact of the modernization program. It describes the operational test environment, which includes integration with the system legacy software, COTS/GOTS, and production level developed software, to be used for the operational acceptance testing. It should identify the tests to be performed to verify the Critical Operational Issues (COIs), Operational Impact Assessment (OIA), and interoperability requirements. It should provide schedules for the operational test activities for each incremental release's Operational Assessment (OA) and each block's Integrated Operation Test and Evaluation (IOT&E) to the government. The Draft OT&E plan should not preclude the conduct of a combined Development Testing/Operational testing (DT/OT) activities.

There is a single Draft OT&E plan for the contracted effort, with updates as necessary for each software block. As major activities within a program block are complete, the government will potentially conduct operational assessments for the incremental releases, as required; and conduct major IOT&E activities for each block. The Draft OT&E enables the acquirer to assess the adequacy of planning of the government's OT&E efforts for final acceptance.

The Draft OT&E shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A010.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of the document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering)

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The deliverable shall contain the following information:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Briefly state the purpose of the system and the software to which this document applies. Describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents, memoranda, and guidance referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. Software operational test environment. This section shall be divided into the following paragraphs to describe the software operational test environment at each intended test activity. Reference may be made to the CDRL A007 Software Test Plan (STP) for resources that are described there.

3.x (Name of test activity(s)). This paragraph shall identify one or more test activity to be used for the testing, and shall be divided into the following subparagraphs to describe the software operational test environment for each activity(s). It is assumed that all testing will be conducted at the government's facility.

3.x.1 Production software end items. This paragraph shall identify by name, number, and version, as applicable, the software items (e.g., operating systems, compilers, communications software, related applications software, software security, databases, input files, code auditors, dynamic path analyzers, test drivers, preprocessors, test data generators, test control software, other special test software, post-processors) necessary to perform the planned testing activities at the operational test site(s). This paragraph shall describe the purpose of each item, describe its media (tape, disk, etc.), identify those that are expected to be supplied by the contractor, identify those that are expected to be supplied by the government, and identify any classified processing or other security or privacy issues associated with the software items.

3.x.2 Hardware and firmware items. This paragraph shall identify by name, number, and version, as applicable, the computer hardware, interfacing equipment, communications equipment, test data reduction equipment, apparatus such as extra peripherals (tape drives, printers, plotters), test message generators, test timing devices, test event records, etc., and firmware items that will be used in the software operational test environment at the test site(s). This paragraph shall describe the purpose of each item, state the period of usage and the number of each item needed, identify those that are expected to be supplied by the site, and identify any classified processing or other security or privacy issues associated with the items.

3.x.3 Other materials. This paragraph shall identify and describe any other materials needed for the operational testing at the test site(s). These materials may include COTS/GOTS, test tools, analysis tools, configuration management tools, manuals, software listings, media containing the software to be tested, media containing data to be used in the tests, sample listings of outputs, and other forms or instructions. This paragraph shall identify those items that are to be delivered to the site and those that are expected to be supplied by the site. The description shall include the type, layout, and quantity of the materials, as applicable. This paragraph shall identify any classified processing or other security or privacy issues associated with the items.

3.x.4 Proprietary nature, acquirer's rights, and licensing. This paragraph shall identify the proprietary nature, acquirer's rights, and licensing issues associated with each element of the software operational test environment.

3.x.5 Installation, testing, and control. This paragraph shall identify the plans for performing each of the following, possibly in conjunction with personnel at the operational test site(s):

a. Acquiring or developing each element of the software operational test environment
b. Installing and testing each item of the software operational test environment prior to its use
c. Controlling and maintaining each item of the software operational test environment

3.x.6 Participating organizations. This paragraph shall identify the organizations that will participate in the testing at the operational test sites(s) and the roles and responsibilities of each. The contractor shall identify which testing activities will utilize a separate test organization for the conduct of these activities (e.g. dry runs, formal tests, regression tests, etc). Formal test conduct and results shall be in accordance with the government's QA procedures.

3.x.7 Personnel. This paragraph shall identify the number, type, and skill level of personnel needed during the test period at the test site(s), the dates and times they will be needed, and any special needs, such as multi-shift operation and retention of key skills to ensure continuity and consistency in extensive test programs.

3.x.8 Orientation plan. This paragraph shall describe any orientation and training to be given before and during the testing. This information shall be related to the personnel needs given in 3.x.7. This training may include user instruction, operator instruction, maintenance and control group instruction, and orientation briefings to staff personnel.

3.x.9 Tests to be performed. This paragraph shall identify, by referencing section 4, the tests to be performed at the operational test site(s).

4. Test identification. This section shall be divided into the following paragraphs to identify and describe each test to which this Draft OT&E applies.

4.1 General information. This paragraph shall be divided into subparagraphs to present general information applicable to the overall testing to be performed.

4.1.1 Test levels. This paragraph shall describe the levels at which testing will be performed, for example, CSCI level or system level.

4.1.2 Test classes. This paragraph shall describe the types or classes of tests that will be performed (for example, timing tests, erroneous input tests, maximum capacity tests, performance, stability, etc).

4.1.3 General test conditions. This paragraph shall describe conditions that apply to all of the tests or to a group of tests. For example: "Each test shall include nominal, maximum, and minimum values;" "each test of type x shall use live data;" "execution size and time shall be measured for each CSCI." Included shall be a statement of the extent of testing to be performed and rationale for the extent selected. The extent of testing shall be expressed as a percentage of some well-defined total quantity, such as the number of samples of discrete operating conditions or values, or other sampling approach. Also included shall be the approach to be followed for retesting/regression testing.

4.1.4 Test progression. In cases of progressive or cumulative tests, this paragraph shall explain the planned sequence or progression of tests.

4.1.5 Data recording, reduction, and analysis. This paragraph shall identify and describe the data recording, reduction, and analysis procedures to be used during and after the tests identified in this Draft OT&E. These procedures shall include, as applicable, manual, automatic, and semi-automatic techniques for recording test results, manipulating the raw results into a form suitable for evaluation, and retaining the results of data reduction and analysis.

4.2 Planned tests. This section identifies the tests to be performed and shall be divided into the following subparagraphs for each test to describe the total scope of the planned operational testing activity.

4.2.1 Critical operational issues and objectives. The section identifies the government's initial set of COIs used for the OT&E.

4.2.1.X COI X. This paragraph shall identify the COI to be verified during OT&E.

4.2.1.X.X Objective X. This paragraph identifies the test objectives that shall be verified for the COI in OT&E.

4.2.1 Y Key performance parameter. This paragraph identifies the KPPs to be verified for the COI in OT&E.

4.2.1.Z Measures of effectiveness (MOE). This paragraph identifies the KPPs to be verified for the COI in OT&E.

4.2.2 Operational impact assessment areas. This section identifies the operational impact assessment (OIA) areas that shall be verified during OT&E.

4.2.2 X Assessment Area X. This paragraph shall identify the OIAs criteria verified during OT&E.

4.2.3 Interoperability test and evaluation. This section identifies the IOT&E tests to be performed and acceptance criteria, which includes but is not limited to the following:

1. User/system operational interoperability requirements.

2. Joint interoperability Test Command (JITC) data requirements.

3. Joint interoperability certification recommendation requirements.

5. Test schedules. This section shall contain or reference the schedules for conducting the tests identified in this plan. It shall include:

a. On-site test period and periods assigned to major portions of the testing.

b. Pretest on-site period needed for setting up the software test environment and other equipment, system debugging, orientation, and familiarization.

c. Collection of database/data file values, input values, and other operational data needed for the testing.

d. Conducting the tests, including planned retesting.

e. Preparation, review, and approval of the OT&E Test Report.

6. Requirements traceability matrix. The requirements traceability matrix shall provide the traceability from each COI objective/MOE/Key Performance Parameter (KPP) identified in this plan to the ORD requirements) in accordance with the government approved Test Evaluation Master Plan (TEMP).

7. Notes. This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section may include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.

8. Test Conduct. The contractor shall identify the organizations and participants of each of the testing activities. This shall include dry run procedures, red-lined and modifications to the test description, pre-test briefings, post-test briefings, deviation reports, and retesting/regression. It is acceptable to provide and reference the contractor's standard test conduct standards.

A. Appendices. Appendices may be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendices may be bound as separate documents for ease in handling. Appendices shall be lettered alphabetically (A, B, etc.)

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.: A011
2. TITLE OF DATA ITEM: Software Version Description
3. SUBTITLE: SVD

4. AUTHORITY (Data Acquisition Document No.): Contractor Format with Govt Approval
5. CONTRACT REFERENCE: PWS, para.
6. REQUIRING OFFICE: USSTRATCOM/CL154

7. DD 250 REQ: LT
8. APP CODE: N/A
9. DIST STATEMENT REQUIRED: D
10. FREQUENCY: Per Increment
11. AS OF DATE: Date of submission
12 DATE OF FIRST SUBMISSION: See Block 16
13. DATE OF SUBSEQUENT SUBMISSION: As required

17. PRICE

18. ESTIM TOTA $

16. REMARKS

Block 10. Submission to coincide with the submission of CDRL A018 Computer Increment Software Product End item(s)

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY: JOHN P. MCDONNELL, LT COL, USAF

H. DATE

I. APPROVED BY: STEVEN J. KOENEKER, MAJ, USAF

J. DATE

Software Version Description
A011

The Software Version Description (SVD) identifies and describes a software version consisting of one or more Computer Software Configuration Items (CSCIs), software units. It will be used by the government to track and control software versions in each delivery.

The term "version" may be applied to the initial release of the software, to a subsequent release of that software, or to one of multiple forms of the software released at approximately the same time (for example, to different sites).

The SVD shall be provided to the government in a format chosen by the contractor and approved by the government. This document provides guidance as to the required content of a document that satisfies CDRL A011.

Requirements:

1. Reference documents. None.

2. General instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser). At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required by this DID can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of the document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering)

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance.

4. Content. The deliverable shall contain the following information:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification number(s), title(s), abbreviation(s), version number(s), and release number(s).

1.2 System overview. Briefly state the purpose of the system and the software to which this document applies. Describe the general nature of the system and software; summarize the history of system development, operation, and maintenance; identify the project sponsor, acquirer, user, developer, and support agencies; identify current and planned operating sites; and list other relevant documents.

1.3 Document overview. Summarize the purpose and contents of this document and shall describe any security or privacy considerations associated with its use.

2. Referenced documents. List the number, title, revision, and date of all documents, memoranda, and guidance referenced in this document. This section shall also identify the source for all documents including URL address, if available.

3. Version description. This section shall be divided into the following paragraphs.

3.1 Inventory of materials released. This paragraph shall list by identifying numbers, titles, abbreviations, dates, version numbers, and release numbers, as applicable, all physical media (for example, listings, tapes, disks) and associated documentation that make up the software version being released. It shall include applicable security and privacy considerations for these items, safeguards for handling them, such as concerns for static and magnetic fields, and instructions and restrictions regarding duplication and license provisions.

3.2 Inventory of software contents. This paragraph shall list by identifying numbers, titles, abbreviations, dates, version numbers, and release numbers, as applicable, all computer files that make up the software version being released. Any applicable security and privacy considerations shall be included.

3.3 Changes installed. This paragraph shall contain a list of all changes incorporated into the software version since the previous version. If change classes have been used, such as the Class I/Class II changes in MIL-STD-973, the changes shall be separated into these classes. This paragraph shall identify, as applicable, the problem reports, change proposals, and change notices associated with each change and the effects, if any, of each change on system operation and on interfaces with other hardware and software. This paragraph does not apply to the initial software version.

3.4 Adaptation data. This paragraph shall identify or reference all unique-to-site data contained in the software version. For software versions after the first, this paragraph shall describe changes made to the adaptation data.

3.5 Related documents. This paragraph shall list by identifying numbers, titles, abbreviations, dates, version numbers, and release numbers, as applicable, all documents pertinent to the software version being released but not included in the release.

3.6 Installation instructions. This paragraph shall provide or reference the following information, as applicable:

a. Instructions for installing the software version
b. Identification of other changes that have to be installed for this version to be used, including site-unique adaptation data not included in the software version
c. Security, privacy, or safety precautions relevant to the installation
d. Procedures for determining whether the version has been installed properly
e. A point of contact to be consulted if there are problems or questions with the installation

3.7 Possible problems and known errors. This paragraph shall identify any possible problems or known errors with the software version at the time of release, any steps being taken to resolve the problems or errors, and instructions (either directly or by reference) for recognizing, avoiding, correcting, or otherwise handling each one. The information presented shall be appropriate to the intended recipient of the SVD (for example, a user agency may need advice on avoiding errors, a support agency on correcting them).

4. Notes. This section shall contain any general information that aids in understanding this document (e.g., background information, glossary, rationale). This section shall include an alphabetical listing of all acronyms, abbreviations, and their meanings as used in this document and a list of any terms and definitions needed to understand this document.

5. Configuration Management. This document is not intended to substitute the contractor's or government's configuration management process. It shall be used to provide inputs to those processes.

A. Appendices. Appendices may be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendices may be bound as separate documents for ease in handling. Appendices shall be lettered alphabetically (A, B, etc.).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.: A012
2. TITLE OF DATA ITEM: Integrated Master Plan
3. SUBTITLE: IMP
4. AUTHORITY (Data Acquisition Document No.): Contractor Format with Govt Approval
5. CONTRACT REFERENCE: PWS, para.
6. REQUIRING OFFICE: USSTRATCOM/CL154
7. DD 250 REQ: LT
8. APP CODE: N/A
9. DIST STATEMENT REQUIRED: D
10. FREQUENCY: See NOTE 1
11. AS OF DATE: Date of submission
12. DATE OF FIRST SUBMISSION: 30 days after contract award
13. DATE OF SUBSEQUENT SUBMISSION: See NOTE 1

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

16. REMARKS

NOTE 1: IMP delivered for acceptance and approval when government or contractor processes change sufficiently to drive govt. request.

Block 14. Submittal in electronic format required

See attached document for content guidance

*Transmittal letter only

17. PRICE

18. ESTIM TOTA $

G. PREPARED BY: JOHN P. MCDONNELL, LT COL, USAF

H. DATE

I. APPROVED BY: STEVEN J. KOENEKER, MAJ, USAF

J. DATE

Integrated Master Plan
(A012)

The IMP clearly and succinctly documents how the ISPAN system will be transformational (and not a simple analytical continuation of the current system capabilities) to meet the changing USSTRATCOM missions. The IMP provides a comprehensive description of the contractor's planning and management disciplines and the program activities that need to occur throughout the 10-year modernization effort. The IMP should show how the engineering and management processes will be applied to implement solutions that will deliver capabilities to the warfighter efficiently and successfully.

The Integrated Master Plan (IMP) will include a conceptual Statement of Work for the development phase of the project which includes the identification of program tasks, an Integrated Master Schedule (IMS) with the project critical path, program Contractor Work Breakdown Structure (CWBS), management processes, exit criteria for each government Block, contingencies, resources, and other management tools used in the implementation of the Integrated Strategic Planning and Analysis Network (ISPAN) 10-year modernization program. It will include key software architecture decision points and schedule criteria to ensure a successfully managed project costs and schedule that meets the Technical Requirements Document (TRD) performance requirements of this 10 year evolutionary project.

The original project IMP is delivered 30 days after contract award with monthly updates via the virtual web network provided on or about the 5th of each month.

The IMP shall be provided to the government in a format chosen by the contractor and approved by the government. This document contains a description of the contents and identifies the information requirements to be provided by the contractor for a document that satisfies CDRL A012. . The AFMC IMP/IMS Guide version 2.1 also provides relevant guidance. Monthly updates will contain a subset of program status management information, as mutually agreed upon between the government and the contractor.

Requirements:

1. Reference Documents. None

2. General Instructions.

a. Automated techniques. Use of automated techniques is encouraged. The term "document" means a collection of data regardless of its medium. If a model, data, or tools-based approach is used, the product(s) shall be capable of being reviewed by the government using STRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser), or the contractor shall provide the appropriate automation tools. At a minimum, artifacts shall be delivered to the government on CD ROM.

b. Alternate presentation styles. Diagrams, tables, matrices, and other presentation styles are acceptable substitutes for text when data required can be made more readable using these styles.

c. Common Features. All documents or data sources should have a title page or identifier that provides a clear indication of document content and version number. They should have a table of contents and provide a method of uniquely identifying specific areas of the document (e.g. page numbers and section numbering).

3. Format. A contractor-defined format is acceptable provided the information contained in the delivered product meets or exceeds the information specified in this guidance. Tailoring of contractor "standard" documents is acceptable so long as the all content directed by this guidance is provided.

4. Content. The plan shall contain the following:

1. Scope.

1.1 Identification. A full identification of the system and the software to which this document applies, including, as applicable, identification numbers(s), title(s), abbreviation(s), version number(s) and release number(s).

1.2 Introduction. This document shall be used as the program's primary management tool, incorporating aspects typically found in both IMP's and Program Plans. This document shall evolve with the evolutionary project over its useful life, and describe all the schedule, cost, resource, and performance critical management elements. The document shall include, but not be limited to, the following:

a. The contractor's implementation, integration, and transition strategy that mitigates operational disruption and facilitates an orderly and risk-managed transition to the new system capabilities.

b. The integrated process that provides the government (via the Systems Integrated Product Team (IPT)) full and timely visibility into ongoing engineering activities, as well as contractor cost, schedule, and performance metrics. The integrated process provides adequate government review and approval of engineering processes and products (e.g. through an integrated digital development environment).

c. The software development process:

(1) Derives and allocates requirements to the design and ensures the requirements are verifiable,
(2) Manages the initial baseline and requirements changes, including traceability from the requirements to the design and from the design to the requirements,
(3) Manages multiple, interdependent software configuration baselines, and
(4) Ensures engineering artifacts (e.g., architecture, design information, business rules) are current, accurate, complete, and readily available.

d. The plan to operate in a professional working environment with other contractors is incorporated in this document.

NOTE: Process narratives referenced above should be at a level of abstraction high enough to allow changes to the detailed processes captured in other CDRLs but specific enough to clearly identify the processes being used. In the specific cases where these other CDRLs are required in this contract such as the Software Development Plan (SDP), the primary CDRLs takes precedence for the detailed processes and can be referenced for specifics and detailed information. Although, that makes the procedures referenced part of this document, requiring any changes to those detailed procedures a possible contract modification.

1.3 Relationship to other plans. Describe the relationship of the IMP to other project management plans, e.g. the Software Development Plan.

1.4 Document overview. Summarizes the purpose and contents of this document and describe any security or privacy considerations associated with it use.

2. Referenced documents. List the documents referenced in this plan and their sources.

3. Schedule.

3.1 Integrated Master Schedule. The IMP shall contain an Integrated Master Schedule (IMS) clearly links to WBS/TRD capability/use cases and shows the logical networking of detailed program activities. The IMS shall show as a minimum the following:

a. Milestones,
b. Activities,
c. Duration of activities,
d. Constraints and dependencies to include external interfaces and systems,
e. Critical path of all ongoing and planned activities, and
f. Progress of completion of activities.

3.2 Program Activities. The IMS shall include all activities required to implement the modernization and enter into a best-value life cycle/total ownership cost phase. This will include activities to be completed by all contractors as tasked by the government. It will include software modernization and development/test activities as well as supportive tasks such as life cycle management of operations and sustainment (O&S), information assurance, and Information Support Plan (ISP) activities. The schedule will also clearly document software development activities that require spiral or incremental development, as well as Block 1, 2, and 3 deliverable capabilities, drawn from TRD requirements.

4. Management Processes.

4.1 Integrated Product and Process Development (IPPD). The contractor shall describe in the IMP how it plans to operate in the current Integrated Product Team Environment. The contractors shall define its software development, system engineering, and integration and test processes and responsibilities.

4.2 Management Control Processes. The IMP shall include a description of the contractor's planned management control processes to include EVM, requirements management, technical performance measures, risk management, etc. The description shall show how the contractor's standard company processes will be applied to the ISPAN effort, as applicable. It shall detail the tools that will be used and what insight the government will have into those processes.

4.3 Resources/Cost Processes. The IMP will identify the resources required to accomplish the modernization in an environment known to be evolving, both in terms of operational concepts and technical requirements, utilizing a program Contractor Work Breakdown Schedule (CWBS). The IMP shall identify all resources required for the various CWBS activities to deliver planned block capabilities to the government. It should show the time-phased expenditure of those resources within the contractor-budgeted cost and be directly related to the cost and engineering use-case modeling efforts. The IMP shall identify an Earned Value Management (EVM)/Cost as an Independent Variable (CAIV) process and tools that ensure current, accurate, standard, readily available information to assess current and future program strategy in an environment of known changing requirements. The IMP shall show how the management processes are linked together with cost work packages, schedule, and System Requirements Specification (SRS) requirements deliverables to enable the government to change priorities and analyze project impacts of these changes in a timely manner with minimal contractor involvement. It shall provide a mechanism for the contractor to suggest priority changes and show their impacts on the delivery of user TRD capabilities.

4.4 Integrated Development Environment (IDE). The contractor shall provide an IDE as part of the contract. The IMP shall include a description of the contractor's IDE which allows the government and the contractor to exchange information in a method(s) as seamlessly as possible. The IDE will provide the government with insight into the contractor's processes. The IDE may reside in both the Secret and unclassified network, as required.

5. Appendices. Appendices will be used to provide information published separately for convenience in document maintenance (e.g., charts, classified data). As applicable, each appendix shall be referenced in the main body of the document where the data would normally have been provided. Appendices may be bound as separate documents for ease in handling. Appendices shall be lettered alphabetically (A, B, etc.). As a minimum the IMP shall contain the following

A. Life Cycle Management. The IMP shall include life cycle management plan information. It will describe how the ISPAN system will need to be maintained over its life cycle and identify key contractor and government decision points and design factors. As a minimum, all future years defense program (FYDP) operational and sustainment (O&S) costs shall be identified and efforts shall be documented to show focused attention on efficient life cycle cost (LCC) (i.e. Clinger-Cohen Act type efforts).

B. Information Support Plan (ISP). The IMP shall include C4I support information that shows the contractor is complying with all statutory C2 factors. The government will further elaborate the support information required in the government's ISP (formerly C4ISP).

C. Information Assurance. This appendix shall describe activities planned and executed to implement the appropriate level of information assurance throughout the modernization effort. As ISPAN evolves through the modernization program effort, the information assurance policies and associated architectures it implements will also need to evolve. This appendix shall identify key contractor and government decision points, design factors considered, and security vice open architecture trade-offs. It shall include annual identification of Critical Program Information (CPI) to support updates to the government's Security Classification Guide.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP _____ TM _____ OTHER _____X_____

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A013	Cost Performance Report	CPR

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81466/T	PWS, para ___	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT	D	Monthly	Blk 16	

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	Blk 16	Blk 16

17. PRICE

18. ESTIM TOTAL
$

16. REMARKS

Block 4.
a) The CPR shall be submitted electronically. Contractor format acceptable upon Government approval.
b) Report direct cost at the WBS reporting level & reflect the TRD/TDD user capabilities and/or use cases in order to maximize support to changing mission requirements. Overhead(s), G&A and COM will each be reported for the total contract at the program level. A reconciliation of the CPR and the CFSR shall be submitted quarterly as an attachment to the CFSR.
c) Include reporting on sub-contractors/team members if it results in program ACWP exceeding +/-8% of the program BCWS and report if program costs projected are +/-10% of BAC.
d) For Format 5, the contractor shall provide the top five (5) reporting level Cost and schedule drivers (each ranked in descending order of criticality). Each report shall discuss schedule and technical status of these drivers. This discussion shall include current status, potential impacts to cost or schedule (positive or negative), anticipated problem solution, and the current projected cost at completion for each element. The Government reserves the right to modify, increase or decrease both the initial listing as well as the updates. If the contractor uses "critical path" scheduling techniques, then the identification of the ranked critical path by WBS reporting element shall meet the schedule drivers requirement. In addition, the Government reserves the right to request additional information for those reporting level WBS elements (not included in the top 5 list) that have experienced significant shifts in status from previous months. Cumulative variance analysis and current month analysis is required. Reporting of framework functions and extant products required IAW Section L, para 5.4.1, 5.7. 5.8, and 5.9. Contractor shall propose verbiage to be incorporated into this CDRL IAW its proposed CWBS.
Block 11. Last day of the contractor's current accounting period.
Block 12. Submit Formats 1-4 NLT the 20th calendar day of the month after the close of the first full accounting period following contract award. Submit Format 5NLT than 10 calendar days after submission of Formats 1-4.
Block 14. *Transmittal letter only

14. DISTRIBUTION a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP _____ TM _____ OTHER _____X_____

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A014	Contractor Funds Status Report (CFSR)	CSFR

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81468/T	PWS, para ___	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT	D	Monthly	Blk 16	

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A		Blk 16

17. PRICE

18. ESTIM TOTAL

$

16. REMARKS

Block 4.
Contractor format acceptable upon Government approval.
Para 10. A reconciliation of the CFSR and CPR shall be submitted as an Attachment to the CFSR. Each submission shall:
a) Contain a separate page for each appropriation and each fiscal year (FY) of funds obligated on contract, by CLIN
b) Contain a total page for all CLINs, appropriations and FYs
c) CFSR data shall be reconciled to the Government's FY end of 30 September if the contractor's FY end does not coincide with the Government's.
d) Report shall contain forecast by month for the next six months, by quarter for the remaining FY, and by year for the remaining FYs.
e) The CFSR shall be submitted electronically each month.
Block 11.
Last day of the contractor's most current accounting period.
Block 12.
Submit not later than the 20th calendar day of the month after the close of the first accounting period following contract award.
Block 13.
Submit not later than the 20th calendar day of the month.
Block 14.
*Transmittal letter only

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A015	Software Resources Data Report	SRDR

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
Contractor Format with Govt Approval	PWS, para. ___	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION
LT	D	See NOTE 1	See NOTE 1
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		Date of submission	See NOTE 1

17. PRICE

18. ESTIM TOTAL $

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

16. REMARKS

NOTE 1: DD Form 2630-2 “Initial Developer Report” due no later than 60 days after approval of initial Spiral Development Increment Plan for each government program Block. DD Form 2630-3 “Final Developer Report” due no later than 60 days after final software delivery for each government program Block.

Block 14. Submittal in electronic format required

See DOD 5000.4-M-2, Software Resources Data Report Manual, for guidance

*Transmittal letter only

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP _____ TM _____ OTHER _____X_____

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE
A0016	Program Management Review (PMR) Package (See Block 16)	N/A	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIM TOTAL
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154	$

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
No	D	Each event	See Block 16	

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES		
				Draft	Final	
					Reg	Repro.
N/A	Date of submission	See Block 16				

16. REMARKS

Block 2. PMR package includes Program Management Reviews, Technical Interchange Meetings, Incremental Technical Reviews, combined government/ contractor Configuration Control Boards (CCB) or equivalent, and other reviews/ meetings/conferences as coordinated with the government Program Manager. For PMRs, include metrics in accordance with the contractor's established policies and processes.

Block 12. Agendas and metrics are due 5 days prior to the review/meeting/ conference. Minutes, to include action item tasks, are due 20 working days after review/meeting/conference closure.

Block 13. Agendas and metrics are due 5 days prior to the review/meeting/ conference. Minutes, to include action item tasks, are due 20 working days after review/meeting/conference closure.

Block 14. Submittal in electronic format required.

*Transmittal letter only

a. ADDRESSEE	Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP ________ TM __________ OTHER ____________X_______________

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE
A017	Progress Demonstrations	N/A	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIM TOTAL
Contractor Format (see Note 1)	PWS, para.	USSTRATCOM/CL154	$

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
No	D	See Note 2	1st requirements review (See Note 2)	N/A
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**	
N/A		Date of submissions	See Note 2	

16. REMARKS

NOTE 1: Format shall be tailored by the type of demonstration the contractor is presenting. The use of software product demonstrations, showing both capability and user interface, are highly recommended, when possible. The demonstrations should use USSTRATCOM-like computing environment, as applicable.

NOTE 2: Held when appropriate at requirements reviews, design reviews, and Program Management Reviews (PMRs), or as scheduled by the Government.

* Transmittal letter only

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154*		1	
STRAT/ST13		1	
ESC/NDK*		1	
15. TOTAL ------>		3	

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO. 0002, 0014, 0026, 0038, 0041, 0043, 0047

B. EXHIBIT A

C. CATEGORY: TDP ________ TM __________ OTHER ____X____

D. SYSTEM / ITEM ISPAN A&I

E. CONTRACT / PR NO FA8722-04-R-0003

F. CONTRACTOR

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A018	Computer Software Increment End Item	N/A

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
Contractor Format with Govt Approval	PWS, para.	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION
Yes	D	See Block 16	See Block 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		Date of Submission	See Block 16

17. PRICE

18. ESTIM TOTAL $

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

16. REMARKS

Block 10: As scheduled by the government.

Block 12: As scheduled by the government following approval of the initial Spiral Development Increment Plan (SDIP), in accordance with the SDIP and A001 Software Development Plan (SDP).

Block 13: As scheduled by the government following approval of subsequent Spiral Development Increment Plans, in accordance with the SDIP and SDP

Block 14. Submittal in electronic format required

*Transmittal letter only

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

Computer Software Increment End Product Item(s) (A018)

The contractor shall deliver, in electronic media approved by the government, the computer software increment end product item(s). These computer software increment end product item(s) shall include but not be limited to: (1) Increment computer software source code files, (2) COTS products/tools used by the source code, (3) ISPAN legacy application modified software source code files, and (4) Other required ancillary tools, instructions and procedures (e.g., Java scripting, etc.) needed for installation or operational use of the software increment product end item(s). The contractor shall include a transmittal letter which identifies the exact content of the delivery and verifies compliance with the Spiral Development Increment Plan (SDIP) and government-approved Software Development Plan (SDP). The product delivery shall be used by the government for compiling and installing the computer increment software end product item(s) onto the USSTRATCOM Production environment for operational use. The increment end product items(s) shall be provided by the contractor after the successful completion of the increment's government development test and evaluation (DT&E) and integration testing, and should contain a minimum of patched code. The increment software end product item(s) produced under this contract shall be used during the ISPAN life cycle for development, operation, and maintenance

This document contains the guidance for the delivery of the computer software increment end product item(s) and other support software to be used by the government that satisfies the requirements of A018. The contractor will choose the electronic media used with approval of the government. The following identifies A018 delivery requirements:

1. Computer increment software product end item(s). The following paragraph identifies the increment end product items to be delivered by the contractor in accordance with the SDIP for that increment and government-approved SDP. The increment end product item(s) shall be delivery in electronic form chosen by the contractor and approved by the government.

1.1 Source code files. The contractor shall provide the source code files for the increment CSCI(s) in accordance with the government approved SDP, including any batch files, command files, data files, or other software files needed to compile, install, operate, and maintain the software on the ISPAN operational computer environment.

1.2 Modified ISPAN legacy software source code files. The contractor shall provide the modified ISPAN legacy software source code files for the increment CSCI(s) in accordance with the government approved SDP, including any batch files, command files, data files, or other software files needed to compile, install, operate, and maintain the software on the ISPAN operational computer environment.

1.3 COTS products/tools. The contractor shall provide the COTS products/tools required by the source code identified in paragraphs 1.1 and 1.2 and in accordance with the government approved SDP, including licenses, user instructions, configuration information, user guides, etc., needed to compile, install, operate, and maintain the software on the ISPAN operational computer environment. For those COTS tools resident in the USSTRATCOM computing environment, the contractor shall specify the tools and configuration required (e.g. name, version, setup, settings, etc.) in lieu of delivering additional copies.

1.3 Ancillary tools, instructions, and procedures. The contractor shall provide ancillary tools, instructions, procedures, scripts, etc. required by the source code identified in paragraphs 1.1 and 1.2, needed to compile, install, operate, and maintain the software on the ISPAN operational computer environment.

2. Software support information.

2.1 Compilation/build procedures. The contractor shall provide instructions on the compilation/build process to be used to create the executable files from the source files and to prepare the executable files to be installed on the operational system. The procedures shall specify the compiler(s)/assembler(s) to be used, including version numbers; other hardware and software needed, including version numbers; any settings, options, or conventions to be used; and procedures for compiling/assembling, linking, and building the CSCI (s) and the software system/subsystem containing the CSCI(s), including variations for different configuration, version, etc.

2.2 Installation procedures. The contractor shall provide instructions on the installation process to be used to prepare the executable files to be installed on the operational system. The procedures shall specify the hardware and software needed, including version numbers; any settings, options, configuration requirements, or conventions to be used for installing the CSCI (s) and the COTS products/tools on the operational system.

2.3 Modification procedures. The Contractor shall provide the procedures that must be followed to modify the CSCI. It shall include or reference information on the following, as applicable:

a. Support facilities, equipment and software, and the procedures for their use,
b. Databases/data files used by the CSCI and procedures for using and modifying them,
c. Design, coding, and other conventions to be followed,
d. Compilation/build procedures if different from those identified above,
e. Installation procedures if different from those identified above, and
f. Integration and testing procedures to be followed.

3. Delivery requirements. The contractor shall deliver in electronic media approved by the government the computer software increment end product item (s) including a transmittal letter which identifies the exact content of the delivery and verifies compliance with the increment's SDIP and government-approved SDP. The compilation/build, installation and modification procedures shall be generated in contractor format approved by the government and delivered in electronic media that shall be capable of being reviewed by the government using USSTRATCOM-standard office automation tools (e.g., Microsoft Office, standard web browser).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
CMB No.0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
0002, 0014, 0026, 0038, 0041, 0043, 0047	A	TDP _____ TM _____ OTHER _____X_____

D. SYSTEM / ITEM	E. CONTRACT / PR NO	F. CONTRACTOR
ISPAN A&I	FA8722-04-R-0003	

1. DATAITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A019	Data Accession List	DAL

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81453	PWS, para.	USSTRATCOM/CL154

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
Yes	D	See Block 16	See Block 16	

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	Date of Submission	See Block 16

16. REMARKS

Block 10: As scheduled by the government.

Block 12: Specific items to be delivered upon government request; items to be delivered shall identify appropriate data rights

Block 13: As scheduled by the government following request

Block 14. Submittal in electronic format required

*Transmittal letter only

a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro.
STRAT/CL154		1	
ESC/NDK*		1	
15. TOTAL ------>		2	

17. PRICE

18. ESTIM TOTAL

$

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
JOHN P. MCDONNELL, LT COL, USAF		STEVEN J. KOENEKER, MAJ, USAF	

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 SAFEGUARDING

a. FACILITY CLEARANCE REQUIRED: SECRET

b. LEVEL OF SAFEGUARDING REQUIRED: SECRET

2. THIS SPECIFICATION IS FOR: *(X and complete as applicable)*

- a. PRIME CONTRACT NUMBER
- b. SUBCONTRACT NUMBER
- X c. SOLICITATION OR OTHER NUMBER: FA8722-04-R-0003 — DUE Date (YYMMDD)

3. THIS SPECIFICATION IS: *(X and complete as applicable)*

- X a. ORIGINAL *(Complete date in all cases)* — Date (YYMMDD): 3 11 18
- b. REVISED *(Supersedes all previous specs)* — Revision No. — Date (YYMMDD)
- c. FINAL *(Complete item 5 in all cases)* — Date (YYMMDD)

4. IS THIS A FOLLOW-ON CONTRACT? ___ YES X 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 X NO. If Yes, complete the following:

In response to the contractor's requested dated _____, retention of the identified classified material is authorized for the period of _____

6. CONTRACTOR *(Include Commercial and Government Entity (CAGE) Code)*

a. NAME, ADDRESS, AND ZIP CODE	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE *(Name, Address, and Zip Code)*
TBD		

7. SUBCONTRACTOR

a. NAME, ADDRESS, AND ZIP CODE	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE *(Name, Address, and Zip Code)*

8. ACTUAL PERFORMANCE

a. LOCATION	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE *(Name, Address, and Zip Code)*
See Item 13		See Item 15

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT

Planning and Analysis Modernization Contract. This is a Cost-Plus Award Fee contract. The contract contains both R&D and O&S efforts. The period of performance is approximately eight years from contract award for R&D. For O&S, the period of performance is one base year and nine one-year options.

10. THIS CONTRACT WILL REQUIRE ACCESS TO:	YES	NO
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION	X	
b. RESTRICTED DATA	X	
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION	X	
d. FORMERLY RESTRICTED DATA	X	
e. INTELLIGENCE INFORMATION		
(1) Sensitive Compartmented Information (SCI)	X	
(2) Non-SCI	X	
f. SPECIAL ACCESS INFORMATION	X	
g. NATO INFORMATION	X	
h. FOREIGN GOVERNMENT INFORMATION		X
i. LIMITED DISSEMINATION INFORMATION		X
j. FOR OFFICIAL USE ONLY INFORMATION	X	
k. OTHER *(Specify)* SIOP-ESI Information	X	

11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	YES	NO
a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY		X
b. RECEIVE CLASSIFIED DOCUMENTS ONLY		X
c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	X	
d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	X	
e. PERFORM SERVICES ONLY		X
f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES		X
g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	X	
h. REQUIRE A COMSEC ACCOUNT	X	
i. HAVE TEMPEST REQUIREMENTS		X
j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS		X
k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE		X
l. OTHER *(Specify)*		

DD Form 254, DEC 90 *(EF-V1)* (PerFORM PRO)

Previous editions are obsolete.

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 Government authority. Proposed public releases shall be submitted for approval prior to release.

[ ] Direct [X] Through (Specify):

USSTRATCOM/CS
901 SAC BLVD., STE 1A10
OFFUTT AFB, NE 68113-6600
"PUBLIC RELEASE OF SCI IS NOT AUTHORIZED"

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/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)

The National Industrial Security Program Operating Manual (NISPOM), dated January 1995, and the DoD Overprint to the NISPOMSUP, dated 14 January 1998, apply to this contract.

Item 1. This contract will involve the handling and storage of classified material. The contractor has responsibility for alarmed areas (except SCI facilities) and properly escorting both contractor and government visitors (except within SCI facilities). The contractor is directly accountable for security actions and government rule compliance, to include COMSEC and foreign disclosure requirements. Contractors will be subject to investigation and potential adverse actions in the event of security deviations or violations.

Item 8a. The contract will be performed at USSTRATCOM/CL154 and at the contractor locations TBD.

Item 10a. COMSEC material/information may not be released to DoD contractors without Air Force Cryptological Support Center (ADFSC) approval. Contractor must forward request for COMSEC material/information to the COMSEC officer through the program office. The contractor is governed by the DoD 5220.22-S COMSEC supplement to the NISPOM in the control and protection of COMSEC material/information. Access to COMSEC material by personnel is restricted to U.S. citizens holding final U.S. Government clearances. Such information is not releasable to personnel holding only reciprocal clearances.
Item 10b. Contractor may require access to RESTRICTED DATA. Access to RESTRICTED DATA requires a final U.S. Government clearance at the appropriate level.
Item 10c. The contractor is permitted access to Critical Nuclear Weapon Design Information (CNWDI) in performance of this contract. Contractor personnel must have a final U.S. Government clearance at the appropriate level and must be briefed for CNWDI prior to access.

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. (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.) [X] Yes [ ] No

Classified Automated Information Systems (AIS) processing will take place in the computing environment of the Integrated Strategic Planning and Analysis Network (ISPAN) at Offutt AFB, NE. Contractor access to this system will be IAW USSTRATCOM SAI 301-6. Classified AIS processing will also take place at the DSS-approved contractor facility. See Item 13 continuation sheets for additional security requirements for SIOP-ESI.

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.) [X] Yes [ ] No

The Defense Security Service (DSS) is relieved of inspection responsibilities for contract activities at USSTRATCOM not involving SCI access. USSTRATCOM/CS50 will conduct Information Security Program Review biannually to ensure compliance with the NISPOM, DoD 5200.1-R, USSTRATCOM Administration Instructions (SAIs), and the Visitor Group Security Agreement.

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	b. TITLE	c. TELEPHONE (Include Area Code)
Joseph Zimmerman	Contracting Officer	781-377-9237

d. ADDRESS (Include Zip Code)	17. REQUIRED DISTRIBUTION
11 Eglin Street Hanscom AFB, MA 01731-2120	[X] a. CONTRACTOR [ ] b. SUBCONTRACTOR [X] c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
e. SIGNATURE Joseph A. Zimmerman	[ ] d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION [X] e. ADMINISTRATIVE CONTRACTING OFFICER [X] f. OTHERS AS NECESSARY

DD Form 254, DEC 90 (REVERSE)(EF-V1) (PerFORM PRO)

Item 10e (1). The following activity is designated as the responsible security office for the SCI elements of this contract: USSTRATCOM/CS55, Special Security and Counterintelligence Office, 901 SAC Blvd., Suite 2A7, Offutt AFB, NE 68113-6600.

Instructions for access to SCI are as follows:

All SCI shall be handled in accordance with special security requirements furnished by the responsible Special Security Office designated above.

SCI shall not be released to contractor personnel without specific release approval of the USSTRATCOM Senior Intelligence Official or the originator of the material when applicable, obtained through USSTRATCOM/CS55, Special Security and Counterintelligence Office, based on prior approval, and certification of "Need-to-Know" by the appropriate division chief through the designated contracting officer's representative (COR):

Lt Col John McDonnell, USSTRATCOM/CL154, (402) 294-8196
(Name / Office Symbol / Phone of Designated COR for SCI Issuers/Inquiries)

COR must comply with responsibilities outlined in DoD 5101.21-M-1, Chapter 1, paragraph 6.

Inquiries pertaining to classification guidance on SCI shall be directed to the responsible COR designated above. Any SCI or SCI-derived material generated under this contract shall be reviewed by the COR for proper SCI classification prior to final publication and distribution. The responsible Special Security Office designated above will provide assistance as required.

SCI furnished in support of this contract remains the property of the DoD department, agency, or command that releases it. Upon completion or cancellation of the contract, all SCI furnished shall be returned to the direct custody of the responsible security office designated above. See DoD 5105.21-M-1 for complete guidance on handling SCI.

All contractor on-site support services shall be performed at approved Government SCI facilities. Support shall be on an as-needed basis; additional workspace for contractor personnel shall be provided.

The contractor is responsible for providing an accurate list of all employees requiring SCI access under the contract to USSTRATCOM/CS55. The listing will reflect all approved contractor personnel access and responsible contract monitors.

It is anticipated that the contractor will generate collateral (i.e., non-SCI) material. The following documents shall be used for SCI security guidance: DoD 5101-M-1 (SCI Security Manual), Imagery Policy Series, Intelligence Community Classification and Control Marking Implementation Manual. The DoD 5200.1-R shall be used for non-SCI security guidance.

16. CERTIFICATION AND SIGNATURE (continued)		
a. TYPED NAME OF CERTIFYING OFFICIAL Joseph Zimmerman	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) 781-377-9237
d. ADDRESS 11 Eglin Street Hanscom AFB, MA 01731-2120		
e. SIGNATURE Joseph A. Zimmerman		

Item 10e (2). The following requirements and controls apply to classified foreign intelligence:
1. Preparing requests. Requests for release of classified intelligence information are prepared by the contractor and submitted to USSTRATCOM/CS55, Special Security and Counterintelligence Division, through the contracting agency. Each request for release of intelligence data must contain the following information and certification:

a. Name and address of the contractor for whom the intelligence data is intended and certification by the contracting agency of the contractor's clearance and safeguarding capability.

b. Number of the contract and expiration date.

c. Name of the contracting activity, certification of need-to-know, and the name and telephone number of a point of contact.

d. Complete identification of the intelligence for which release approval is requested. Identify issuing agency, security classification, and all restrictive control markings and statements. Also include a statement as to whether the material is locally available to the requester.

e. Description of contractor work for which intelligence is required. Include sufficient detail so CS55 can determine all of the intelligence the contractor needs.

2. Contractor Controls for Classified Foreign Intelligence:

a. Contractor shall maintain accountability for all classified foreign intelligence released in their custody (including Confidential information).

b. The contractor shall not reproduce classified foreign intelligence data without written permission of the releasing agency. If permission is granted, each copy shall be controlled in the same manner as the original.

c. The contractor must not destroy any classified foreign intelligence data without written permission of the releasing agency.

d. The contractor shall restrict access to only those individuals who possess the proper security clearance and who are actually providing services under this contract. Further dissemination to other contractors, subcontractors, other government agencies, private individuals or organizations is prohibited without express written approval by the releasing agency.

e. Classified foreign intelligence material must not be released to foreign nationals or immigrant aliens, whether they are consultants under the contract, U.S. government contractors, or employees of the

16. CERTIFICATION AND SIGNATURE (continued)		
a. TYPED NAME OF CERTIFYING OFFICIAL Joseph Zimmerman	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) 781-377-9237
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e. SIGNATURE Joseph A Zimmerman		

contractor, and regardless of the security clearance they may possess, without advance written permission of the originator of the material.

f. The contractor must ensure each employee requiring access to classified intelligence data is fully aware of the special security requirements for this material. Records shall be maintained in a manner permitting the contractor to furnish, on demand, the names of individuals who have had access to the material in their custody.

g. Upon completion or termination of the contract, or sooner if the purpose of the release has been served, the contractor shall return all released classified foreign intelligence data, including reproduction and material generated, unless retention or destruction is authorized in writing by the originator of the intelligence or USSTRATCOM/CS55, Special Security and Counterintelligence Division.

h. The contractor shall include these instructions in all subcontracts under this contract that involve access to intelligence data. This requirement applies to subcontractor at all tiers.

Item 10g. The contractor requires access to NATO classified information, up to COSMIC Top Secret Atomal at Offutt AFB. This access is for reference only. The contractor also requires access to the same information, for discussion only, at the contractor's local field office. Contractors must receive the appropriate level NATO briefing prior to access. This requirement does not authorize storage of NATO classified information at contractor facilities. In addition, contractor personnel who require unescorted access to the USSTRATCOM Air Room also require COSMIC Top Secret Atomal access. These personnel shall be briefed for this access prior to unescorted access to the Air Room.

Item 10j. For Official Use Only (FOUO) information provided under this contract shall be safeguarded as specified in the Industrial Security Manual (ISM) Chapter 10, Section 6.

The FOUO marking is assigned to information at the time of its creation in a DoD agency. It is not authorized as a substitute for a security classification marking, but is used on official government information that may be withheld from the public under exemptions 2 through 9 of the Freedom of Information Act (FOIA).

Use of the FOUO markings does not mean that the information cannot be released to the public, only that it must be reviewed by the government prior to its release to determine whether a significant and legitimate government purpose is served by withholding the information or portions of it.

An unclassified document containing FOUO information will be marked "For Official Use Only" at the bottom of: the front cover (if any); the first page; each page containing FOUO information; the back page; and the outside of the back cover (if any). Each paragraph containing FOUO information shall be marked as such.

16. CERTIFICATION AND SIGNATURE (continued)		
a. TYPED NAME OF CERTIFYING OFFICIAL Joseph Zimmerman	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) 781-377-9237
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e. SIGNATURE Joseph A Zimmerman		

Material other than paper documents (for example, slides, computer media, films, etc.) shall bear markings that alert the holder or viewer that the material contains FOUO information.

Within a classified document, an individual page that contains both FOUO and classified information will be marked at the top and bottom with the highest security classification of information appearing on the page. If an individual paragraph contains FOUO information but no classified information, the paragraph will be marked FOUO.

Any FOUO information released to a contractor will be marked with the follow statement: "This document contains information EXEMPT FROM MANDATORY DISCLOSURE under the FOIA. Exemptions _____ apply. (Appropriate exemption number from DoD Regulation 5400.7, chapter 3, section 2 will be cited)".

Removal of FOUO marking can only be accomplished by the originator or the competent authority. When the FOUO status is terminated, all known holders will be notified to the extent practical.

Contractors may disseminate FOUO information to their United States employees and United States subcontractors who have a need for the information in connection with this contract.

During working hours, FOUO information shall be placed in an out-of-sight location if the work is accessible to persons who do not have a need for the information. During non-working hours, the information shall be stored to preclude unauthorized access. Filing such material with other unclassified records in unlocked files or desks is adequate when internal building security is provided during non-working hours. When such internal security is not exercised, locked buildings or rooms will provide adequate after-hours protection or the material can be stored in locked receptacles, such as file cabinets, desks or bookcases.

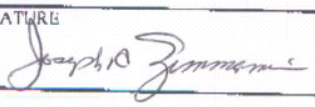
FOUO information may be sent via first-class mail or parcel post. Bulky shipments may be sent fourth-class mail.

When no longer needed, FOUO information may be disposed of by tearing each copy into pieces to preclude reconstructing, and placing it in a regular trash container or as directed by the releasing agency.

Unauthorized disclosure of FOUO information does not constitute a security violation, but the releasing agency should be informed of any unauthorized disclosure. The unauthorized disclosure of FOUO information protected by the Privacy Act may result in criminal sanctions.

Item 10k.

a. This contract requires access to SIOP-ESI. SIOP-ESI material remains under US Government control at all times. Access to SIOP-ESI by contractor personnel will be limited to US Government facilities.

16. CERTIFICATION AND SIGNATURE (continued)		
a. TYPED NAME OF CERTIFYING OFFICIAL Joseph Zimmerman	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) 781-377-9237
d. ADDRESS 11 Eglin Street Hanscom AFB, MA 01731-2120		
e. SIGNATURE 		

b. In order to be considered for access to SIOP-ESI, applicant must be a United States citizen. No waivers will be considered. In addition, applicant must have a Top Secret clearance based on a favorable Single Scope Background Investigation (SSBI) completed within the past five years. No waivers will be considered.

c. Contractor will nominate personnel to USSTRATCOM / CS50. Contractor will nominate only technically qualified personnel who meet citizenship and clearance requirements stated above.

d. Nominations will contain full identifying data on the nominee, statement that he/she and spouse meet the above citizenship requirements, description of the applicant's duties under the contract, which will require access to SIOP-ESI, applicant's current clearance and the basis for the clearance.

e. If the applicant meets the clearance and investigation criteria, nomination must be received by USSTRATCOM / CS50 and must be received 60 days prior to anticipated date SIOP-ESI access is required.

f. If the applicant does not meet the clearance/investigation criteria, nomination must be received six months before anticipated date SIOP-ESI access is required.

g. SIOP-ESI access will require briefing and debriefing to be accomplished by USSTRATCOM / CS50. Contractor will cooperate with USSTRATCOM / CS50 in making personnel available with sufficient lead-time to permit USSTRATCOM to arrange for required briefings and debriefings.

h. Contractor will advise USSTRATCOM /CS50 of any adverse information or change in status of an employee who has been granted access to SIOP-ESI, i.e., marriage, divorce or remarriage.

Item 11c. The following security classification guides apply:

a. Strategic Target Planning (STP) Security Classification Guide, dated (current copy), with subsequent revisions or changes. Distribution, reproduction, and handling of this document are strictly controlled. Instructions will be provided with a copy of the basic document and any revisions or changes.

b. Minuteman Security Classification Guide, dated (current copy), and Mark 12/12A Reentry Vehicle Security Classification Guide, dated (current copy), with subsequent revisions or changes.

c. Peacekeeper Program Security Classification Guide, dated (current copy), and Mark 21 Reentry Vehicle Security Classification Guide, dated (current copy), with subsequent revisions or changes.

d. SLBM Weapon System Security Classification Guide (OPNAVINST S5513.5A-27 (current copy).

Item 11d. USSTRATCOM/CL154 is responsible to furnish contractor storage capability to the level of Top Secret.

16. CERTIFICATION AND SIGNATURE (continued)		
a. TYPED NAME OF CERTIFYING OFFICIAL Joseph Zimmerman	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) 781-377-9237
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e. SIGNATURE Joseph A Zimmerman		

Item 11g. The contractor is required to prepare and process DD Form 1540 and DD Form 1541. In authorizing the use of this service, the contracting official must critically review and clearly establish a contractor's need-to-know for DTIC scientific and technical information before approving the DD Forms 1540 and 1541. The contracting official, with concurrence of the program/project manager, must ensure specific fields of interest are identified only as they relate to the contract.

Item 11h. See item 10a.

16. CERTIFICATION AND SIGNATURE (continued)		
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e. SIGNATURE Joseph A Zimmerman		

Item 17. Required Distribution.

Contractor – see Block 6.a DD Form 254

Subcontractor - N/A

Cognizant Security Office for Prime and Subcontractor – see Block 6.c and 7.c.

U.S. Activity Responsible for Overseas Security Administration – N/A

Administrative Contracting Officer (1 copy)

Joseph Zimmerman
11 Eglin St
Hanscom AFB, MA 01731-2120

Others as Necessary

USSTRATCOM/CS50 (2 copies)
901 SAC Blvd STE 1C17
Offutt AFB, NE 68113-6050

USSTRATCOM/CS553 (1 copy)
901 SAC Blvd STE 2A7
Offutt AFB, NE 68113-6000

USSTRATCOM/CL1421 (1 copy)
901 SAC Blvd STE 1B3
Offutt AFB, NE 68113-6000

16. CERTIFICATION AND SIGNATURE (continued)		
a. TYPED NAME OF CERTIFYING OFFICIAL Joseph Zimmerman	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) 781-377-9237
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e. SIGNATURE Joseph A. Zimmerman		

PART III – SECTION J
Attachment 2

STATEMENT OF OBJECTIVES

Solicitation # FA8722-04-R-0003
Date: 22 Jan 2004

USSTRATCOM PLANNING SYSTEM MODERNIZATION

STATEMENT OF OBJECTIVE

1.0 Background.

1.1 The President and the Secretary of Defense have directed transformation throughout the Department of Defense (DoD). This directly affects USSTRATCOM, initially through the Nuclear Posture Review, and more recently through Change 2 to the Unified Command Plan (UCP) 2002. USSTRATCOM is directed to establish and provide capabilities established in the Nuclear Posture Review, full-spectrum global strike, and coordinated space and information operations capabilities to meet both deterrent and decisive national security objectives. USSTRATCOM is further directed to provide operational space support, integrated missile defense (IMD), global C4ISR, and specialized planning expertise to the joint warfighter.

1.2 In anticipation of these additional missions, an element in the President's budget for FY03 was the Strategic Capability Modernization (SCM). SCM includes the integration of an advanced network infrastructure that enables communications/intelligence/ surveillance, command decision support, and situational awareness to provide the necessary capabilities to support the New Triad missions. These missions may include, but are not limited to, holding at risk Hard and Deeply Buried Targets, special strike C2 systems, and countering Weapons of Mass Destruction (WMD).

1.3 A key capability necessary to meet these new critical missions is a robust planning and analysis system that is capable of both deliberate and adaptive planning, employing the full spectrum of kinetic and non-kinetic weapons in support of rapid execution. The Strategic War Planning System (SWPS), renamed the Integrated Strategic Planning and Analysis Network (ISPAN), is the nation's only strategic war planning system. However, it was developed and deployed for the Cold War and is not designed to handle the collaboration, information exchange, peacetime deliberate and crisis action planning, decision support, and complex strike options required of the modern strategic environment. Additionally, as a deliberate planning system, ISPAN is not sensitive to the improved speed of available surveillance, intelligence collection, and analyses; nor is it capable of utilizing a range of other U.S. system capabilities. USSTRATCOM must transform ISPAN to meet the new national objectives and assure the nation of a premier war planning system.

1.4 The new planning system will transform as USSTRATCOM's missions are matured, new systems are developed, and the threat changes. The new planning system must be innovative in its openness, flexibility, scalability, and extensibility so it can incorporate and develop tools to support the production of assigned OPLANS, to include OPLAN 8044; Theater Planning and Global Strike Support Documents; new UCP tasking and related products. The new planning system must advance USSTRATCOM's adaptive and collaborative planning capabilities to support UCP missions including Strategic Deterrence (nuclear, conventional, and non-kinetic); Global Strike; Information Operations (IO); IMD; Space Operations; global Intelligence, Surveillance, and Reconnaissance (ISR); and other advanced strategic missions as they are defined. It must support the capability to interface USSTRATCOM with other parties (national leadership, other combatant commanders, intelligence and system acquisition) via the modernized DoD global C2 addressed in other parts of the SCM and via the C2 Modernization program at USSTRATCOM.

2.0 Administrative Notes.

2.1 Use of terminology. This SOO is intended to convey the government's vision as a guide to the contractor in developing a Performance Work Statement. The term "requirement" indicates the statement establishes, or is derived from, a validated requirement. The term "need" indicates the government's intent without establishing a separate requirement.

3.0 The new USSTRATCOM planning system—Vision.

3.1 In order to transform planning and analysis, USSTRATCOM has developed integrated and mission area concepts of operations and examined process simulation models for transforming the current system. Requirements derived from these activities are contained in a Technical Requirements Document (TRD). As the Command's concepts evolve, updated validated requirements will be incorporated into formal TRD changes through standard Engineering Change Proposal (ECP) processes. The overarching objectives identified for the program include the following:

3.1.1 The architecture will be expanded to integrate and/or interface additional and more sophisticated planning tools and analysis models. These planning and analysis capabilities will address the needs of the newly assigned mission areas, extending the analytical rigor of the current system to these new areas.

3.1.2 The analytical capabilities of the system will be enhanced by integrating or incorporating tools that not only address best-estimate performance and effects, but also plausible uncertainties in planning parameters. The system will be capable of conducting analyses at varying levels of detail using data at varying stages of completion.

3.1.3 The system will be fed by a revolutionary effects-based planning capability.

3.1.4 The system will incorporate a revolutionary new "executive function" that provides workflow management, increased automation, and a broad insight into the operation of the system and interface into the overall USSTRATCOM global C2.

3.1.5 Valuable parts of the existing planning functions will be reused and evolved to support the new mission areas and reengineered to increase speed and efficiency.

3.1.6 The system will incorporate revolutionary new optimization functions to examine and evaluate new and existing plans across a variety of Measures of Effectiveness (MOEs). These functions will be rules-based to allow for rapidly building various planning options in support of support different and varied scenarios, and to allow detailed analysis of higher-level Courses of Action (COAs).

3.1.7 The system will incorporate a new decision support capability that provides better insight into the increasing array of solutions being proposed. This insight will include the confidence or uncertainty bounds of the plans, and is to be understandable by commanders, planners, and systems and intelligence experts who support the planning process. The decision support capability will also feed display capabilities provided by other programs, to include USSTRATCOM's C2 Modernization.

3.2 Implementation of this transformation is aggressive, but not unprecedented, and, as such, could have multiple solutions. The system's architecture will be a key component to the successful achievement of the objectives. The architecture must be open, flexible, extensible and scalable to meet evolving USSTRATCOM and national decision requirements. The architecture design will be innovative in its approach to supporting current and future functionality and integration of that functionality. The architecture plan will present a reasonable migration strategy from the current architecture. The plan will take into consideration various integration strategies for subsystems based on USSTRATCOM's, possibly limited, ability to change the subsystem. The architecture will consider the security implications and needs of the system and will be compliant with the information assurance strategies of the Department of Defense.

4.0 Overarching Objectives. The new planning and analysis system objectives are listed below. The capabilities associated with each objective, and their associated identified requirements, are further detailed in the Technical Requirements Document (classified SECRET).

4.1 Support the evolving nuclear war-planning mission. The new planning system must continue to provide the national leadership with a national nuclear war plan that fully supports national objectives, as it has for the past 30 years. The system must continue to be updated to meet evolving national guidance and objectives, and modifications resulting from the new planning system must not adversely impact the command's ability to create the national nuclear war plan.

4.2 Continue the current theater-support planning mission. USSTRATCOM must meet its commitment to the Regional and Functional Combatant Commanders' strategic and WMD planning needs.

4.3 Transform ISPAN, as a subset of the overall evolving global command and control (C2) USSTRATCOM mission. This will be accomplished by changing the ISPAN architecture from a federated-systems concept to a system-of-systems concept. The objective is an innovative, open, flexible, scalable and extensible war planning architecture to support USSTRATCOM's changing and increasing missions. As migration occurs, the software architecture shall achieve integrated Information Assurance and be designed with the goal of eventual full DoD Network-Centric Enterprise Services (NCES) and Global Information Grid Enterprise Services (GIG ES) compliance.

4.4 Support new mission areas and incorporate the strategic planning of conventional and emerging non-kinetic strike systems. New capabilities must be added to the existing system to enable creation of integrated plans in the compressed timelines directed. These capabilities will be integrated into the new architecture. The initial capabilities identified include an executive/workflow management function, an optimization function, a decision support services function, and an effects-based planning function.

4.5 Provide Systems Engineering, Architecture, and Integration (SEA&I) support to the government program office, through the Systems IPT, in order to effectively integrate newly developed software, the extant product line, the ISPAN legacy applications, and external software tools/programs, to include USSTRATCOM C2 software.

4.6 Establish management processes that will allow USSTRATCOM to evaluate impacts to cost, schedule and performance in both the baseline and development environment resulting from evolving requirements. These management processes will link together cost, schedule and requirements so USSTRATCOM will be able to examine changes to priorities and analyze impacts of these changes with minimal contractor involvement, prior to initiating formal change processes.

4.7 Ensure operators and maintainers obtain appropriate training to ensure the system can be utilized to its full capability.

5.0 Program Structure.

5.1 The new planning system program will incorporate evolutionary acquisition[1] and utilize spiral[2] and incremental[3] development, as appropriate. A multiple-year development contract with multiple, optional Operations and Sustainment (O&S) periods will be awarded to a single contractor.

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[1] Evolutionary Acquisition – An acquisition strategy that defines, develops, produces or acquires and fields an initial hardware or software increment or operation capability. It is based on technologies demonstrated in the relevant environments, time phased requirements and demonstrated manufacturing or software deployment capabilities.

[2] Spiral Development – A development process used in evolutionary acquisition in which the desired capability is identified, but end state requirements are not known at program initiation. Requirements for future increments may be dependant upon technology maturation and/or user feedback. Spiral development is the DoD-preferred development process under Evolutionary Acquisition strategies.

[3] Incremental Development – A development process used in evolutionary acquisition in which the end state requirement is known and the requirements will be met over time in one or more increments. Portions of an increment could utilize the spiral development process. For the purposes of matching existing OSD documentation,

5.2 The new planning system program will be divided into three development and production "Blocks," each of which will be divided into delivery "Increments." Software to be delivered for an incremental delivery may be created using Evolutionary Acquisition's spiral development or incremental development processes and then enter O&S, following completion of formal testing.

5.3 The initiation of a follow-on block will occur prior to the end of the current block in order to minimize disruption of development and testing during initiation of the next block. A single development period of performance will be utilized in the contract for the same reason. The government expects a milestone decision will be required prior to initiation of follow-on blocks.

5.4 Block I development will begin at contract award and continue through 30 September, 2007 (approximately 42 months). Block I also includes an initial O&S baseline for Data Management System, Document Production System, and Theater Integrated Planning System maintenance, enhancement, and development functions expected to start 1 October, 2004 and separate options for O&S of several software products also starting NET 1 October, 2004, if exercised.

5.5 Block II will begin on or about 1 October, 2006 (pending a milestone approval decision) and continue through 30 September 2009. Block II includes the continuation of O&S and separate options for O&S of several software products.

5.6 Block III will begin on or about 1 October, 2008 (pending a milestone approval decision) and continue through 30 September, 2011. Block III includes the continuation of O&S, separate options for O&S of several software products, and transition into ISPAN O&S phase. Additional development work beyond Block III would be dependent on further government approvals.

5.7 O&S will begin with the extant and optional product lines, and increase incrementally as each development product is completed and receives government approval to enter the ISPAN Production environment. Upon entry into the Production environment, life cycle cost will be managed by the contractor to maximize best value to the government and demonstrate efficiencies. A formal government DT/OT test will occur at the conclusion of each block. The O&S phase of this contract will continue through 31 January, 2014, unless otherwise extended.

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the term "Increment" will be used generically in the new planning system program to indicate a delivery within a larger program "Block," whether the software in the delivery is created using spiral or incremental development.

ISPAN Classified Document Pick-up Instructions

When the Request for Proposal (RFP) is released on this site, the Technical Requirements Document (TRD) will not be posted, since it is classified. Since the TRD is a classified document, there are specific procedures to obtain this document from the ISPAN Program Office.

To gain access to the LeMay building, corporate security offices must fax a Visit Authorization letter request as specified in DoD 5220.22M, National Industrial Security Program Operating Manual (NISPOM) to the USSTRATCOM COMSEC and Personnel Security Section (FAX 402-204294-5257) and the ISPAN Program Office (FAX 402-294-4869). Visit requests must arrive 3 business days prior to the time of the scheduled visit. This lead-time is required to conduct security checks and verifications necessary to allow access to Offutt Air Force Base. Offerors without a visit request on file at USSTRATCOM should file such a request as soon as possible in order to ensure their access to the TRD is not delayed. Corporate security offices should call (402-294-0592) to confirm receipt of the visit authorization request. The letter should include a list of all individuals from the company who potentially would pick up classified documents, their social security numbers, security clearance (Security clearance of SECRET is required for each person), date and place of birth.

Directions to the LeMay building are as follows: enter the Kenney (north) gate of Offutt AFB and stop at the Visitor Control Center to obtain a temporary contractor ID for unescorted entry to Offutt AFB. This action could take some time due to other security requirements of higher priority. Plan your arrival accordingly. After the visitor's center, turn right at SAC Boulevard and follow it around the flight line (you will pass the BX and commissary on the right). The LeMay building will be on the left with white missiles in front. Parking is available in the Officer's Club parking lot across the street. Individuals should proceed to the USSTRATCOM visitor center (building 591) located on the north side of the LeMay building. A telephone is available in the visitor's center to contact Mr. Russ Zink at 294-0167 to arrange an escort.

All visitors are required to sign in/out of HQ USSTRATCOM on each visit. Visitors must be escorted at all times. Visitors will not be allowed to bring computers, hard drives, cell phones, or personal data assistants into the LeMay building. Due to the sensitivity of these documents, visitors will ensure that these documents are handled using appropriate DoD security procedures in DoD 5200.1R. Visitors shall be expected to abide by all other general rules while in the LeMay building and will be briefed at the beginning of the appointment.

See separate file on http://eda.ogden.disa.mil

or https://www.nafi.navy.mil for Attachment 4

ISPAN Architecture and Integration Contract Award Fee Plan

USSTRATCOM

Contract # FA8722-04-C-xxxx
16 March 2004

COORDINATION:

CONTRACTING OFFICER _____
ESC/NDK

AWARD FEE REVIEW
BOARD CHAIRPERSON _____
USSTRATCOM Systems IPT Program Manager

APPROVED:

FEE DETERMINING
OFFICIAL _____
ESC/CC

1.0 INTRODUCTION

1.1. Overview and Purpose.

This Award Fee Plan will be used in evaluating Contractor performance under the ISPAN Architecture and Integration Contract. This plan provides the basis for presenting an assessment of the Contractor's performance to the Fee Determining Official (FDO). The purpose of the plan is to outline the organization, procedures, evaluation periods, and evaluation criteria for implementing the award fee provisions of the contract. The award criteria described herein are intended to define and motivate superior performance by the contractor, and if necessary to guide corrective measures. The Government reserves the right to revise this award fee plan after contract award when in the best interest of the Government. Changes to this award fee plan to emphasize particular areas of interest in any given award fee period should be expected throughout the life of the contract.

1.2. Changes to Award Fee Plan.

Unilateral changes may be made to the award fee plan if the Contractor is provided written notification by the Contracting Officer (CO) before the start of the award fee period in which the modified Award Fee Plan becomes effective. Changes affecting the current evaluation period shall be by bilateral, written agreement. [Statements contained in [brackets] are informational for the proposal period, and will be removed in the approved award fee plan.] The Award Fee Plan change procedure is detailed in Section XX.

2.0 AWARD FEE STRUCTURE

2.1. Fee Categories.

2.1.1. There are three (3) award fee categories for this contract: the Base fee, the Development Award fee, and the Operations and Sustainment Award fee. Additionally, there is a one-time Special Performance Incentive (SPI), detailed in Annex Six. Fee amounts, based on the currently funded work, are shown in Schedule B of the contract.

2.1.2. The base fee for this contract is 2% of authorized cost on all Development CLINS and Operations and Sustainment (O&S) CLINS. The contractor shall earn the base fee for all authorized work completed during the award fee period, unless the contract is terminated for cause. The base fee may be invoiced monthly. The Development award fee pool is 13% above the base fee (15% total). The O&S award fee pool is 6% above the base fee (8% total). Base fee and award fee pool cost bases are inclusive of travel, materials, and other direct costs, except as disallowed by the FAR.

2.2. Organization.

The award fee organization consists of: the FDO; an Award Fee Review Board (AFRB) that consists of a Chairperson, the Contracting Officer, project office representatives, functional area representatives, engineering representatives, and advisor members. The Fee Determining Official (FDO) will determine the amount of the award fee earned and awarded based on AFRB evaluation of the contractor's performance against the criteria set forth in this plan. Annex One provides the Award Fee Organization and Annex Two outlines their roles and responsibilities.

2.3. Subjective Evaluation.

AFRB recommendations are the basis for an award fee payment. Determinations and the methodology for determining them are unilateral decisions made at the Government's discretion. AFRB application of criteria for the award fee category is a subjective process, even for those criteria with a quantitative foundation. AFRB recommendations will be derived from an evaluation of the contractor's performance in the context of the Statement of Objectives (SOO) and Performance Work Statement (PWS). However, per Federal Acquisition Circular (FAC) 97-15 issued 12/27/99, Award Fee determinations are subject to the Disputes clause of the contract. Annex Three describes the evaluation guidelines to be used by the evaluation board.

3.0 EVALUATION PERIODS AND PROGRESS REPORTS

3.1. Periodic Evaluation (PE) Schedule.

3.1.1. Schedule Foundation.
The award fee periodic evaluation (PE) schedule will be based on the contracted delivery schedule. For software deliveries, this will be primarily baselined from the promotion date into the USSTRATCOM Production environment.

3.1.2. Initial Evaluation Period.
The initial evaluation period will run from contract award to 30 days following scheduled delivery of the system architecture, defined as the System/Subsystem Design Description (SSDD), CDRL A002. [The government expects the offeror to propose this delivery date in the December 2004 timeframe. If the date proposed in the IMP/IMS is not acceptable, this date will be finalized during post-award refinement, as specified in Section L.]

3.1.3. Successive Evaluation Periods.
Successive evaluation periods will be defined during the process to implement the annual Spiral Development Increment Plan (SDIP, Section J, Attachment 6). The Award Fee Plans associated with these evaluation periods will be constructed by the government in accordance with the contracted SDIP schedule, in order to emphasize items of particular importance during those periods. The updated government-approved Award Fee Plan may be incorporated into the contract at the same time as the SDIP modification. Annex Four of this Award Fee Plan will identify the evaluation periods as they are established. In general, the scheduling process described in the next paragraphs will be utilized.

3.1.4. Delivery Opportunities.
As specified in the SDIP, delivery opportunities currently exist each June and December, with these opportunities representing the projected promotion of the software into the USSTRATCOM Production environment. The contractor shall schedule its delivery into government testing in advance of the Production date, as required by the Master Test Plan for each increment.

3.1.5. Determining Evaluation Period.
Award Fee evaluation periods will be based on the delivery schedule contained in the SDIP and IMP/IMS. The evaluation period will run through the end of the month following the Production date (e.g. through January 31 for a December 9 Production date). This allows the government a period of time to ensure the software is operating correctly, and ensures the appropriate PE categories can be evaluated based on delivered capabilities.

3.1.6. Evaluation Period Across Multiple Deliveries.
When the contractor proposes deliveries at each opportunity (currently two per year), the evaluation period will run through two software deliveries. The evaluation board will conduct an interim evaluation for the first delivery, with the results provided to the contractor immediately, and recorded and provided to the AFRB during the PE. The interim evaluation will provide feedback in terms of the contractor's performance rather than the amount of award fee, but the AFRB may consider the first delivery's evaluation, as provided, to be of equal weight as the second delivery's evaluation, being conducted.

3.2. Formal and Informal Feedback.

3.2.1. Informal Feedback.
The government will provide informal feedback, at minimum, during Program Reviews and Technical Interchange Meetings. Continuous informal feedback may also be provided during other program meetings, via customer feedback forms, and from the government program office. Customer users and government engineers will also act as advisors and provide feedback regarding the contractor's performance through the ISPAN Program Office.

3.2.2. Formal Feedback.
An interim evaluation will be conducted at the approximate midpoint of the evaluation period. When the evaluation period includes two deliveries, the interim evaluation will be conducted for the first delivery

(per paragraph 3.1.6). The interim evaluation/AFRB will provide formal comments on any areas that are less than "good" performance. The AFRB/interim evaluation board may also comment on noteworthy improvements and areas in which they particularly wish to see continued excellence. The government may also provide additional feedback to the contractor during the evaluation period.

3.3. Contractor Self-Evaluation.

The contractor is responsible for providing a comprehensive qualitative/quantitative self-assessment of current period performance as an additional input to the AFRB. The self-evaluation shall be submitted to the Contracting Officer (CO) within ten working days after the end of the evaluation period. The written assessment of the contractor's performance throughout the evaluation period should contain any information that may be reasonably expected to assist the AFRB in evaluating the contractor's performance. The contractor's self-assessment shall not exceed 10 pages. At the Government's option, as an alternative to a written self-evaluation, the contractor may be invited to provide an oral presentation that shall not exceed one hour in length.

4.0 EARNED AWARD FEE PROCESS

4.1. General.

The award fee is structured to offer a reasonable corporate profit for delivering acceptable performance with the possibility of additional profit for exceptional performance. All evaluation criteria will be established and the plan administered in such a manner that the contractor will have a reasonable opportunity to earn 100% of the Award Fee during each period, although "results" rather than "activity" will be required to earn maximum fee. Mitigating circumstances beyond the Contractor's control will be considered in the award fee evaluation. Substandard performance, such as significantly late delivery, poor quality of scheduled products or services, or failure to aggressively pursue resolution of problems will also be reflected in the award fee amount for the performance period. This Award Fee Plan shall provide for fair evaluation, assessment, and prompt and consistent feedback on both a formal and informal basis.

Throughout this Award Fee Plan, unless specified otherwise, the terms "delivered software" and "software increments" indicate capabilities delivered to the warfighter. These capabilities are delivered into the USSTRATCOM Production ("PROD") environment on a schedule which supports USSTRATCOM's operational processes. This schedule may change; if it does, in accordance with the contract, any necessary modifications to the IMP/IMS and this Award Fee Plan will follow.

4.2. Performance/Award Correlation.

Annex Five is the performance/award correlation to be used by the AFRB to determine a recommended award to the FDO. The evaluation grades are determined by the evaluation grade definitions for each of the evaluation areas. The evaluation grades are determined using Annex Three, Evaluation Guidelines. Evaluation grades for each major product will be provided individually in order to provide more focused results to the FDO and to the contractor. The major products currently defined are: 1) the framework development CLIN, 1) the framework O&S CLIN, 3) each of the extant products (DMPS, DPS, TIPS), 4) C2 software. The specific scores (equal to the percent award fee) are subjectively assigned based on the AFRB's recommendation. All FDO decisions regarding the award fee, including, but not limited to, the amount of the award fee, if any; the methodology used to calculate the award fee; the calculation of the award fee; the Contractor's entitlement to the award fee; and the nature and success of the Contractor's performance are unilateral decisions made at the Government's discretion.

4.3. Performance Evaluation Areas and Weighting.

4.3.1. Performance Evaluation Areas.

Fee will be determined separately for each of the Development and O&S CLINS, using both quantitative and qualitative evaluation criteria. Fee will be determined based on the following Performance Evaluation Areas:

4.3.1.1. Systems Engineering—the robustness of the design and the operational effectiveness and suitability of the delivered software will be evaluated.

4.3.1.2. Management—the effectiveness and efficiency of the contractor's processes for interfacing with the government, subcontractors, and associate contractors will be evaluated, to include Systems Engineering and Configuration Management with all three groups.

4.3.1.3. Cost—the contractor's success in delivering an increment's requirements at or below target cost will be quantitatively evaluated using the cumulative Cost Performance Index (CPIcum)

4.3.1.4. Schedule/Technical—the contractor's success in delivering tested, technically acceptable software on or ahead of the approved delivery schedule will be evaluated.

4.3.2. Variable Weighting of Performance Evaluation Areas.
Within an award fee period, the percentage applied to each Performance Evaluation Area varies as the program progresses. See Annex Four, Table 4.1 for the percentages applied to each award fee period. Annex Four, Table 4.1 contains historical percentages and percentages for the next award fee period. The remaining percentages will be added prior to the start of each subsequent period.

4.4. Systems Engineering and Operational/Functional Performance—Qualitative Performance Evaluation.

4.4.1. The Government will conduct a Qualitative Assessment of the Operational and Functional Performance of the Contractor's delivered software during each evaluation period. The evaluation criteria for this assessment are listed in Annex Three. In accordance with Section 6.0, Award Fee Plan Change Procedure, the Government will identify in writing the areas that will be emphasized and those that are not applicable for the current period. These will be provided via updates to Annex Three.

4.4.2. After an evaluation grade (excellent, good, satisfactory, or unsatisfactory) is determined, a percentage score, as listed in Annex Five, is subjectively assigned within the range for the evaluation grade. The Systems Engineering and Management area evaluation grades for the Contractor are defined in Annex Five.

4.5. Management—Qualitative Performance Evaluation.

4.5.1. The Government will conduct a Qualitative Assessment of the Contractor's Management during each evaluation period. The evaluation criteria for this assessment are listed in Annex Three. In accordance with Section 6.0, Award Fee Plan Change Procedure, the Government will identify in writing the areas that will be emphasized and those that are not applicable for the current period. These will be provided via updates to Annex Three.

4.5.2. After an evaluation grade (excellent, good, satisfactory, or unsatisfactory) is determined, a percentage score, as listed in Annex Five, is subjectively assigned within the range for the evaluation grade. The Systems Engineering and Management area evaluation grades for the Contractor are defined in Annex Five.

4.6. Cost—Quantitative Performance Evaluation.
This evaluation will consist of two subareas. The contractor will be quantitatively evaluated on its ability to deliver requirements at or below target cost, and on the effectiveness of its integrated processes for projecting and managing costs throughout the schedule. The Contractor will receive a Quantitative Assessment for Cumulative Cost Performance Index (CPIcum) utilizing the CPIcum at the end of the period of performance. This CPIcum will be derived from the Contractor's DCMA-approved Earned Value Management System (EVMS) and calculated as "Budgeted Cost of Work Performed (BCWP) divided by Actual Cost of Work Performed (ACWP)."

CPIcum = BCWP/ACWP

The amount of award fee available for quantitative CPIcum during that period will then be adjusted based on the Table 3.1 in Annex Three. The table provides a range of award fee percentages for CPIcum ranges. This permits the Government to recognize recent trends in CPI data, adjusting up or down within the range of percentages. In the event the Government disagrees with the Contractor's EVMS CPIcum, the Government's recommended adjustment along with supporting rationale shall be presented to the FDO for review and approval. If a CPIcum adjustment is approved by the FDO, the rationale shall be provided to the Contractor in the FDO's decision letter.

[Based on an evaluation of the contractor's proposed TMLI, there may be a weighting between CPI and leading indicators, similar to that utilized for Schedule. If no proposed TMLI incentivizes the contractor to use its integrated processes to accurately forecast costs, the government will evaluate the accuracy of CPI forecasts 90 days ahead. A new table will be created for this purpose, and weighting established between the cost sub-areas in Annex 4.]

4.7. Schedule—Quantitative Performance Evaluation.

4.7.1. This evaluation will consist of [two] sub-areas. The contractor will be quantitatively evaluated on its ability to deliver requirements in accordance with the contracted schedule and to manage its work package schedules as measured by the Schedule Performance Index (SPI) and [proposed Technical Management Leading Indicators]. The percentage applied to each element of the Schedule PE Area may be changed for each evaluation period, and is detailed in Annex Four, Table 4.2. For this factor, deliveries are considered to either consist primarily of architecture artifacts or software, and the on-time weighting is adjusted accordingly.

4.7.2. The contractor will be evaluated first on its ability to deliver capabilities on or before the contracted delivery date.

4.7.2.1. For architecture deliveries, "on-time" is defined by the IMP-agreed date. The quality of the delivered architecture product will be evaluated under the Operational and Functional Performance category.

4.7.2.2. For software deliveries, "on-time" is defined as the government approving promotion of the software into the USSTRATCOM Production environment by the IMP-agreed "PROD" date. The quality of the delivered software, as defined by open deficiencies, will be used to adjust the rating.

4.7.3. The contractor will next be evaluated based on its ability to manage work package schedules as measured by 1) the average monthly SPI as derived from the Contractor's DCMA-approved EVMS and 2) [Technical Management Leading Indicators, to be selected by the government using the metrics information proposed by the contractor].

4.7.3.1. The reported SPI for each month throughout the performance period, except the last month, will be averaged. The last month of each evaluation period will not be considered, since its data will not be available in a timely fashion for the award fee calculation and it will occur after an increment's delivery is complete. The amount of award fee available for average SPI will then be adjusted based on the "Metrics" column of Table 4.3 in Annex 4.

4.7.3.2. [Technical Management Leading Indicators, selected by the government, will be entered into Table 4.4 in Annex 4. The weighting of SPI and the TMLI selected will be determined once the TMLI metrics are selected.]

4.7.3.3. [Depending on the TMLI proposed, the government may add a third category to evaluate process management. Since SPI is a lagging indicator, the government desires to incentivize the contractor to use its processes to make accurate scheduling forecasts. If no proposed TMLI

is sufficient for this, purpose, the government will evaluate the accuracy of SPI forecasts 90 days ahead. A new table will be created for this purpose, and weighting established between the scheduling sub-areas in Annex 4.]

4.8. Rollover of Unearned Fee.
Dollars in the award-fee pool for a given period, which are not earned in that period, will generally NOT be available in subsequent periods. An established exception under this plan as specified in paragraph 4.8.1 In order to further incentivize the contractor, the government reserves the right to make the unearned fee available for other reasons, which will be documented in the official contract file. In subsequent periods, the government may also specify, in the Award Fee Plan, other reasons for making the unearned fee available.

4.8.1. Unearned fee rollover criteria.
In order to motivate continued superior performance, if CPI AND SPI are both above 1.0 at the end of the evaluation period, or were both above 1.0 for a previous delivery during the evaluation period, this fact will be conveyed to the FDO along with a recommendation to permit rollover of unearned fee into the next evaluation period.

4.9. Unsatisfactory Performance Area Evaluations.
Based on the evaluation criteria, the Quantitative PE Areas (Cost and Schedule) may receive any score from 0-100%, and the contractor may receive the fee associated with that percentage, except as noted below. **If any Qualitative PE Area sub-element is rated as Unsatisfactory, that entire PE Area will receive an Unsatisfactory rating, and the contractor will receive no fee for that PE Area. If the Systems Engineering/Operational/ Functional Performance PE Area receives an Unsatisfactory rating, then the contractor will receive an Unsatisfactory rating in all areas and receive zero fee for that period.**

4.10. Available Award Fee Pool.

4.10.1. Development CLINS.
The percentage of the total available Award Fee Pool for the development CLINS will vary across award fee periods, as detailed in Table 4.1. The available pool for each period will *not* be directly proportionate to the costs for that period. The periods during which formal AFOTEC Block completion OT&E occurs will contain larger portions of the fee pool ("back loading"). If the government schedule for Block completion OT&E changes, the government may revise the award fee pool distribution in a revised award fee plan.

4.10.2. O&S CLINS.
The total award fee pool available for each award period for the O&S CLINS (3400 funded) will vary with the specific costs associated with that period. 100% of the award fee pool for each O&S period of performance will be available during the associated Award Fee period.

5.0 CONTRACT TERMINATION
If the contract is terminated for the convenience of the Government, the current award fee will be accomplished by evaluating contractor performance against the anticipated schedule of events for the abbreviated period, and the award fee pool will be prorated based on actual contract expenses incurred to that point. The award fee pool for all subsequent periods will not be available for award.

6.0 AWARD FEE PLAN CHANGE PROCEDURE

6.1. The AFRB will forward all proposed changes to the AFRB Chairperson. Significant changes require FDO approval; other changes may be approved by the AFRB Chairperson. After approval, the CO shall notify the Contractor in writing of any changes.

6.2. Unilateral changes may be made to the Award Fee Plan if the Contractor is provided written notification of the change by the CO at least thirty (30) days (goal) prior to the start of the upcoming evaluation period. The Contractor shall have ten (10) days (goal) to review and submit any comments before the Award Fee

Plan is updated and implemented. If the Contractor does not respond in writing within ten (10) days, the Government shall assume acceptance of the changes.

6.3. The schedule for Award Fee Plan change(s) is as follows:

6.3.1. AFRB/FDO approves changes
6.3.2. CO notifies Contractor of change at least 30 days prior to new AF period start
6.3.3. Contractor reviews/submits comments NLT 10 days after receipt of notification

6.4. Changes affecting the current evaluation period must be made by mutual agreement of both the Government and the Contractor. If uncompleted requirements are rendered unnecessary by other program events or are deemed unimportant by the Government, the Government, with Contractor concurrence, may delete them before making the qualitative assessment for Functional and Operational Performance.

6.5. Sixty days prior to the start of each period following the initial period, the Government will establish in writing to the Contractor, the weight of each performance area and sub-area to reflect its relative importance (Annex Four), the proposed qualitative evaluation areas, and any other changes to the Award Fee Plan. The Contractor may recommend revisions to the weightings and proposed qualitative evaluation elements within 30 days of receipt of the Government's notification for the upcoming period. The Contractor may also recommend other changes to the Award Fee Plan for the next evaluation period. The Government will accept, modify or deny the Contractor's recommended changes 15 days prior to the start of each award fee period.

6.6. [During the proposal period, the Contractor's proposed Technical Management Leading Indicators will be reviewed to determine which may be appropriate for use in the Cost and Schedule performance areas. The Contractor may also provide recommendations to the government as to which TMLI it believes would be most useful for this purpose.]

7.0 PAYMENT PROCEDURES

7.1. The AFRB will prepare an end-of-period evaluation report or briefing that will be presented by the AFRB chair to the Contractor, through the CO. The report will contain the following: 1) the current period evaluation and the earned-award fee amount; and 2) the amount of unearned fee rolled forward to the next evaluation period (if determined for rollover by the FDO).

7.2. At the end of an evaluation period, the Contracting Officer will advise the Contractor of the amount of award fee earned for the period. If the Contractor has received a rating of 50% or better in a Periodic Evaluation areas, a contract modification will be issued authorizing payment of that area's earned fee (see Annex Five). Award fees will be distributed by the prime contractor to subcontractor/teaming partners based on the individual prime contractor agreements with its subcontractors/teaming partners.

ANNEX ONE

AWARD-FEE ORGANIZATION

Members:

Fee Determining Official:	
Program Executive Officer*	***AFPEO/C2&CS****
Award Fee Review Board Chairperson:	
USSTRATCOM Systems IPT Program Manager	***USSTRATCOM/CL154***
Award Fee Review Board Members:	
USSTRATCOM Systems IPT Project Manager	***USSTRATCOM/CL154***
USSTRATCOM Systems IPT Functional Manager	***USSTRATCOM/ST13***
USSTRATCOM Global Strike/Theater IPT Project Manager	***USSTRATCOM/CL1542***
USSTRATCOM Global Strike/Theater IPT Functional Manager	***USSTRATCOM/ST13***
USSTRATCOM Data Management Services Project Manager	***USSTRATCOM/CL1542***
USSTRATCOM Data Management Services Functional Manager	***USSTRATCOM/ST13***
USSTRATCOM Document Production System Project Manager	***USSTRATCOM/CL1542***
USSTRATCOM Document Production System Functional Manager	***USSTRATCOM/ST13***
USSTRATCOM ISPAN Senior Government Engineer	***USSTRATCOM/CL15***
USSTRATCOM C2 Modernization Project Manager	***USSTRATCOM/CL152***
USSTRATCOM C2 Modernization Functional Manager	***USSTRATCOM/CL11***
Contracting Officer	***ESC/NDK***

* AFPEO/C2&CS may delegate the FDO responsibilities to the ISPAN System Program Director

ANNEX TWO

ROLES AND RESPONSIBILITIES

Award Fee Review Board (AFRB)

The AFRB will provide the FDO with an award fee recommendation for each award fee period. The board will base their recommendation on a review of the contractor's performance in the context of the evaluation guidelines described in Annex Three. The AFRB reviews the Contractor's overall performance for the award fee evaluation period, and recommends the earned-award-fee amount from the available award fee pool for that period to the FDO. The AFRB may also recommend changes to the Award Fee Plan to the FDO. In addition, the AFRB prepares the Contractor's interim evaluation reports including specific strengths and areas of improvement.

AFRB Chairperson

The AFRB Chairperson will ensure that the contractor performance review is thorough and covers all areas required to support the award fee determination. The Chairperson will also lead the AFRB, its meetings, and resolve any significant differences in ratings. If rating differences cannot be resolved for a particular area, the Chairperson will determine the rating for the area in dispute and document the issue in the AFRB Report to the FDO. The results of the AFRB review will be written in the AFRB Report and transmitted to the FDO within 30 working days of the end of the evaluation period. The AFRB Chairperson will also provide the FDO with copies of periodic feedback given to the Contractor during each evaluation period.

AFRB Members

Each member will complete an independent input to the AFRB periodic performance review within the timeline set by the AFRB Chairperson. They will use Annex Five to assign a numerical rating to each of the evaluation criteria established for that award fee period. Areas of evaluation not observed or outside of the rater's area of responsibility shall be left out of that rater's assessment. Where practical, each assessment will be related to specific instances of contractor strengths, weaknesses and impacts. The AFRB Chairman will call a meeting to resolve any significant differences and arrive at a single recommendation to the FDO, although this single recommendation will be broken out by major product. AFRB consensus on specific contractor strengths and weaknesses will also be provided to the FDO.

Contracting Officer (CO)

The CO, or designated representative, will participate in the AFRB according to the guidelines above. Additionally, the CO will advise the AFRB Chairperson of any deficiencies or inconsistencies in the AFRB's assessment, and assist the AFRB Chairperson in coming to a final recommendation. The CO is the liaison between the Government and the Contractor, and transmits FDO letters to the Contractor. The CO prepares and distributes the modification awarding the fee authorized by the FDO within 15 calendar days after the date of the FDO decision letter. The CO ensures that the appropriate award-fee amount is certified and administratively reserved prior to the beginning of the applicable award-fee evaluation period. The CO ensures that all unearned-award-fee funds not subject to rollover provisions are de-committed after each evaluation period. The CO notifies the Contractor of any change(s) to the AFP, after FDO/AFRB Chairperson approval.

The CO ensures the AFRB recommendation and FDO final decision are formally documented. In addition to the required documents already in the official contract file such as the AFP and appointment letters, the official contract file will also contain the following documentation for each separate evaluation period: a copy of the FDO briefing; a copy of the FDO's decision letter to the Contractor providing the earned-award-fee amount as well as strengths, areas for improvement, and future areas of emphasis, if any; supporting rationale if the FDO's final decision of earned-award-fee amount differs from the AFRB recommendation; justification for the use of rollover and amount of unearned award fee to be available, if any; the interim evaluation letter, if applicable; Contractor's self assessment, if any; and applicable funding documents.

Fee Determining Official (FDO)

The FDO will approve the award fee plan and authorize any significant changes proposed by the AFRB. The FDO , makes the final determination of the award fee amount earned by the Contractor at the end of the evaluation period . The FDO will advise the contractor through the CO of the award fee determination.

The FDO's Award Fee decision will be documented. If the FDO's Award Fee decision varies either upward or downward from the AFRB's recommendation, the rationale for the change will be documented in the official contract file and explained with reference to the Award Fee Plan. The FDO's decision letter will include the earned-award-fee amount and address the Contractor's strengths and areas for improvement for the evaluation period. In addition, the FDO's rationale to allow rollover, including the amount of the unearned award fee that may be considered available in the next subsequent evaluation period(s), will be documented in the official contract file.

ANNEX THREE

EVALUATION GUIDELINES

Periodic Evaluation (PE) Pool:

There are four PE Areas. The current evaluation period's available pool is weighted, in accordance with Annex Four, Table 4.1, as follows (to be filled in for each period): PE Pool Award Fee (100%) = Systems Engineering (40%) + Management (25%) + Cost (20%) + Schedule/Technical (15%)

While certain aspects of the PE Pool are somewhat subjective by nature, the government's intent is that significant cost, performance, and schedule benefits realized by the government because of contractor actions be rewarded by commensurate fee to the contractor.

All elements in a qualitative evaluation area below are of equal weight unless indicated otherwise.

In accordance with paragraph 4.2 of the Award Fee Plan, parenthetical comments are intended to assist evaluator consistency, and do not constitute a specified methodology for determining the award fee.

1. **Systems Engineering.** The Government will conduct a Qualitative Assessment of Systems Engineering as demonstrated by the design, development, testing, and functional/operational performance of the delivered product(s) during each evaluation period. The following areas will be emphasized during the current evaluation period. (Note: only the TRD/TDD requirements specified to be included in a delivery should be evaluated under element "a." The performance of requirements delivered earlier than their contractually required increment should be evaluated under element "h" of this PE area or the schedule/technical PE area if their presence caused delays or testing difficulties; or under elements "e, f, g, and/or l" of this PE area if their presence provided value. The correction of defects identified during government testing, but corrected prior to PRR, may be considered under any appropriate element.)

    a. Does the contractor identify and satisfy the technical requirements specified in the SDIP?

    b. Do the contractor's delivered products demonstrate open, flexible, and extensible system design?

    c. Do the contractor's delivered products demonstrate scalability? (Note: this element may be used both for the contractual design deliverables and for the demonstrated operational capacity of the system.)

    d. Does the Contractor adhere to, and fully support, security requirements? Is the design and delivered capability demonstrating progress toward achieving the objective multi-level security capability? Is the openness of the architecture being effectively balanced with the need for the architecture to be secure?

    e. Does the Contractor recommend technical approaches in the best long-term technical interests of the Government? Does the contractor provide innovative technical approaches that are logical, accurate, coordinated, and detailed appropriately? Does the Contractor ensure that recommended approaches guide the integrated ISPAN program towards the government-established end-state?

f. Did the Contractor continue to demonstrate its use of Systems Engineering processes into the testing phase? How successful was the testing process? Were the test plans sufficient, feasible, and easy to implement? Did the software quality indicate it was ready for testing? Did the integration with other software products indicate an open design had been achieved? How reliable are the Contractor's delivered products, during and following testing? (Note: reliability should be used to evaluate such performance issues as software crashes.)

g. Do the Contractor's delivered products enhance or support the customers' operational needs in the Domain area for which the Contractor is responsible? (Note: this element may be used to identify how well the Contractor's design implements the requirements, or to identify a design that implements the requirement technically, but in an operationally unsuitable way. This element could also be used to evaluate whether the requirements are being satisfied in a way that ensures the entire ISPAN program, including capabilities being provided by associate contractors, is progressing towards the end-state vision.)

h. Does the Contractor ensure that previous system capabilities and performance, to include those capabilities provided by other Contractors, are not lost or degraded as a result of new deliveries?

i. Does the Contractor effectively integrate its delivered products with associated activities and related systems from other ISPAN contractors, other USSTRATCOM contractors, and other DoD contractors?

j. Does the Contractor deliver products in the appropriate format? Does the Contractor deliver products that are easily understood and operated? Does the contractor provide training adequate to ensure effective use of new capabilities?

k. Does the Contractor provide complete and usable documentation? (Note: this factor may be used to evaluate the adequacy of both the user documentation accompanying the delivered software and the CDRLs.)

l. Has the Contractor improved operational efficiency or effectiveness, which have either reduced costs, enhanced performance, or provided other benefits to the Government during this award fee period?

2. Management. The Government will conduct a Qualitative Assessment of the Contractor's Management processes during each evaluation period. The following areas will be emphasized during the current evaluation period.

a. Is the Contractor responsive to mission changes and customer needs? Does the Contractor use an integrated approach for presenting alternatives?

b. Does the contractor respond appropriately to dynamic situations and/or urgent requirements? In particular, does the contractor utilize an integrated approach when presenting/providing workarounds?

c. Do the Contractor's ISPAN Program Control metrics provide insight into cost, schedule and risk? Does Contractor management use them effectively? In particular, does the contractor *provide* and *use leading* indicators which provide the government *early* insight into potential problems?

d. Does the Contractor's integrated development environment provide the Government with effective insight into requirements traceability, design maturity, and increment status? Has the

contractor effectively incorporated its EVMS, IMP/IMS, and risk management process into its decision making process? Does it effectively integrate these processes in the presentation of alternatives to the government?

e. Does the Contractor effectively identify ISPAN program risks and alternatives? Does the contractor effectively implement integrated mitigation strategies? Does the Contractor support the risk management process for use throughout the USSTRATCOM enterprise?

f. Does the Contractor effectively adapt and respond to changes and modifications from the Government Program Management Office (PMO)? Does the Contractor effectively manage business arrangements and requests for information from/to the Government PMO?

g. Does the Contractor effectively manage subcontractors and teammates, to include incorporating a sound Systems Engineering and Configuration Management approach? Does this approach ensure that the Contractor's Systems Engineering and Configuration Management processes flow down to the subcontractors and teammates?

h. Does the Contractor effectively manage associate contractor relationships? In particular, does the Contractor take all responsible steps to ensure that the overall ISPAN program is progressing satisfactorily towards the government-established end state?

i. Does the Contractor facilitate professional relationships with other contractors and other Government agencies that benefit the Government? In particular, does the Contractor take all responsible steps to ensure that the overall ISPAN program, including those capabilities provided by stakeholders outside USSTRATCOM, is progressing satisfactorily towards the government-established end state?

j. Does the contractor maintain small business participation, to include small/disadvantaged businesses, and historically black colleges or universities, and minority institutions at or above the contracted threshold?

k. Does the contractor provide an appropriate level of complexity and variety in the work to be performed by small/disadvantaged businesses, historically black colleges and universities, and minority institutions?

l. Does the Contractor management provide the appropriate personnel for tasks? How proficient, effective and technically competent are the Contractor's personnel? During periods of significant startups, has the Contractor effectively staffed new tasks?

3. Cost.

Table 3.1—CPI(cumulative)	
CPI Index	% Fee
.98 – 1.0	90-100%
.95 – .97	75-89%
.90 – .94	50-74%
< .9	0-49%

a. The contractor will be quantitatively evaluated on its ability to deliver requirements at or below target cost, and on the effectiveness of its integrated processes for projecting and managing costs throughout the schedule. The Contractor will receive a Quantitative Assessment for Cumulative Cost Performance Index (CPIcum) utilizing the CPIcum at the end of the period of performance. The amount of award fee available for quantitative CPIcum during that period will then be adjusted based on the Table 3.1, above. The table provides a range of award fee percentages for CPIcum ranges. This permits the Government to recognize recent trends in CPI data, adjusting up or down within the range of percentages. Requirements de-scope resulting from exceeding budget will be evaluated against the Cost category using the available percentage range.

4. Schedule/Technical Performance. (Note: Schedule/Technical Performance are bundled to ensure the contractor does not deliver an ineffective product "on time" merely to avoid a Schedule penalty. The *operational* impact of defects should be evaluated under the Performance category.)

The contractor will be quantitatively evaluated on its ability to deliver capabilities in accordance with the contracted schedule and to manage its work package schedules as measured by the Schedule Performance Index (SPI) and [selected Technical Management Leading Indicators]. The percentage applied to each element of the Schedule PE Area is specified in Annex Four, Table 4.2. For this factor, deliveries are considered to either consist primarily of architecture artifacts or software, and the on-time weighting is adjusted accordingly.

"On Time Delivery"

The contractor will be evaluated first on its ability to deliver capabilities on or before the contracted delivery date. For architecture deliveries, "on-time" is defined by the IMP-agreed date. The quality of the delivered architecture product will be evaluated under the Systems Engineering category. For software deliveries, "on-time" is defined by the IMP-agreed date for software delivery into the USSTRATCOM "Production" environment. If the number and severity of open deficiencies following developmental and user acceptance testing results in a delay to the "PROD" date, or the government refuses to permit promotion at the Production Readiness Review, the delivery will be considered "late." The quality of the delivered software, as defined by open deficiencies, will be used to adjust the rating based on Table 3.2, below. The range of award fee percentages permits the government to recognize schedule issues not explicitly defined.

Table 3.2—Schedule/Technical Quantitative Score		
Delivery	On-Time	Late
Defects		
Minimal	95-100%	50-75%
Nominal	90-100%	50-60%
Excessive	40-90%	0-20%

(Note: Early delivery currently offers little benefit, since the government schedule is tied with cut over. Early delivery to testing may permit the government to conduct its testing more efficiently, if accompanied by minimal defects, and would be incentivized under Systems Engineering. Late delivery cause significant operational problems, thus is heavily penalized.)

Definitions for this Award Fee plan

***Defects are those found during government testing (Developmental Test, User Acceptance Test, and/or Operational Test)*:**
Minimal defects: No Category 1 or 2 defects; no new Category 3 defects.
Nominal defects: No Category 1 or 2 defects; no defects resulting in lost capability.
Excessive defects: Category 1 or 2 defects; overall number of defects such that ISPAN Program Team refuses to permit promotion to Production.

"Scheduling Process Adherence"

The contractor will be evaluated next on its ability to manage work package schedules using its integrated processes, as measured by the 1) average monthly SPI as derived from the Contractor's DCMA-approved EVMS and 2) [Technical Management Leading Indicators, to be selected by the government using the metrics information proposed by the contractor].

The reported SPI's for each increment under development for each month throughout the performance period, except the last month, will be averaged. The last month of each evaluation period will not be considered, since its data will not be available in a timely fashion for the award fee calculation and/or will occur after an increment's delivery is complete. The amount of award fee available for average SPI will then be adjusted based on the "Metrics" column of Table 4.3 in Annex 4. The table provides a range of award fee percentages for SPI(average) ranges. This permits the Government to recognize recent trends in scheduling process management, adjusting up or down within the range of percentages.

[Technical Management Leading Indicators, as selected by the government and entered into Table 4.4 in Annex 4, will be evaluated.]

[The weighting between SPI and TMLI selected (one or several) will be determined once the TMLI metrics are selected. The result of the SPI/TMLI calculation will then be adjusted using the "Metrics" column of Table 4.3 to determine the overall amount of award fee for these elements.]

[Depending on the TMLI proposed, the government may add a third category to evaluate process management. Since SPI is a lagging indicator, the government will incentivize the contractor to use its processes to make accurate scheduling forecasts. If no proposed TMLI is sufficient for this, purpose, the government will evaluate the accuracy of SPI forecasts 90 days ahead. A new table will be created for this purpose, and weighting established between the scheduling sub-areas in Annex 4.]

ANNEX FOUR

EVALUATION PERIODS AND PERIODIC EVALUATION AREA WEIGHTING

The award fee earned by the contractor will be determined at the completion of evaluation periods shown below. The dollars shown corresponding to each period is the maximum available award fee amount that can be earned during that particular period (to be filled in when known). The amounts depicted in this table shall be the sum of individual award fee CLINS. Summing the award fee CLINS for this table shall in no way constrain the AFRB in its unilateral award fee determination.

The Government may unilaterally revise the distribution of the award-fee dollars among periods. The contractor will be notified of such changes, if any, in writing by the CO before the relevant period is started and the award-fee plan will be modified accordingly. Subsequent to the commencement of a period, changes may only be made by mutual agreement of the parties.

Table 4.1—Evaluation Period Fee Pool and Percentage Weighting by Performance Evaluation Area

Evaluation Period*	**Target Dates (CY)**	**Dev Fee Pool (K) *****	**Dev Fee Pool % (approx.) [Work effort % shown in brackets]**	**O&S Fee Pool (K) *****	**Cost Weighting (Quanti-tative)**	**Schedule and Technical Weighting (Quanti-tative)**	**Mgmt Weighting (Quali-tative)**	**SE/Func. & Oper. Performance Weighting (Qualitative)**
Period 1 Award—Architecture Delivery	*06/04-01/05* **	$	6% [9%]	$	20%	15%	25%	40%
Period 2 Through Increment 2 s/w delivery	*02/05-01/06* **	$	15% [17%]	$	25%	25%	15%	35%
Period 3 Through Increment 4 s/w delivery	*02/06-01/07* **	$	20% [20%]					
Period 4 Through Block 1 OT&E completion & Increment 6 s/w delivery	*02/07-01/08* **	$	25% [20%]					
Period 5 Through Increment 8 s/w delivery	*02/08-01/09* **	$	11% [13%]					
Period 6 Through Block 2 OT&E completion & Increment 10 s/w delivery	*02/09-01/10* **	$	15% [13%]					
Period 7 Through Increment 12 s/w delivery	*02/10-01/11* **	$	3% [4%]					
Period 8 Through Increment 12 s/w delivery	*02/11-01/12* **	$	5% [4%]					
		Total:	100% [100%--see NOTE in brackets on next page]					

* Increment numbers are descriptive, and align the numbering for delivery opportunities across all ISPAN program contracts (e.g. a December, 2005 delivery is titled increment 2, whether or not a June, 2005 delivery is planned)
**Estimated, to be definitized based on contracted delivery dates
*** Dollars shown are estimated values, to be definitized when known. Associated percentages are rounded.
[NOTE: The work effort percentages in the "Dev Fee Pool %" column add to 100% over the life of the contract. One CLIN is used for development, so the entire award fee pool is divided up over the development PoP, with the percentage available for each Award Fee Period depicted in that row. The "work effort percentage" in [brackets] shows the percentage of the total award fee pool that would have been available in a given period *if* the award fee were not back-loaded to Block OT&E completion. (The dollar amount would be proportional to the amount of funding available in that period—that dollar amount varies significantly because the funding stream varies significantly.) The percentage *not* in brackets is the percentage of the award fee pool that is available in that period *with* back-loading—the percentage that will be used in the contract. Note this funding stream accurately reflects the fact that most *currently funded capability* will be provided in Blocks 1 and 2.]

Table 4.2—Schedule Sub-area Percentage Weighting			
Evaluation Period	Delivery Type	On-Time Delivery	Metrics+++
Period 1	Architecture	40%	60%
Period 2 and beyond +	Production Software ++	70%	30%

+ unless modified in subsequent Award Fee Plan
++ if an increment delivery is approved to an environment other than the USSTRATCOM Production environment, a modification to this Award Fee Plan will be undertaken
[+++Metrics column to be comprised of weighting from Table 4.3 and Table 4.4, once the entries in Table 4.4 are determined.]

Table 4.3—SPI(average)	
SPI Average	% Fee
.98 – 1.0	90-100%
.95 – .97	75-89%
.90 – .94	50-74%
< .9	0-49%

Table 4.4—Technical Management Leading Indicators	
[To be determined following proposal receipt. Table 4.3 and Table 4.4 metrics will be used together to determine the Metrics rating in Table 4.2]	

[A Table 4.5 will be included which will show the weighting between SPI and the TMLI, but the structure will be entirely dependent on the number of TMLI's selected for Table 4.4.]

Example SPI calculation: 12 month award fee period, February-January; deliveries in June and December.** SPI reported for each month in which an increment is being developed, based on the contractor's IMP/IMS. In this example, increment N delivers part way through the current Award Fee period, increment N+1 delivers at the end of the current Award Fee period, and increment N+2 begins part way through the current Award Fee period and delivers during the next Award Fee period.

** For this calculation, increment deliveries are assumed to be the USSTRATCOM Production environment (i.e. each provides capability to the warfighter, with delivery synchronized to established USSTRATCOM processes). Increment deliveries proposed for delivery to a different environment (e.g. to the ISPAN Experimental Planning Lab) could be weighted differently through a modification to the Award Fee plan.

Example Reported Monthly SPI—Increment N, June delivery											
Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
0.98	1.01	0.99	0.97	1.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Example Reported Monthly SPI—Increment N+1, December delivery											
Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
1.0	1.01	0.99	0.97	0.90	0.87	0.91	0.92	0.94	0.97	1.0	N/A

Example Reported Monthly SPI—Increment N+2, June delivery											
Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.94	0.97	0.95	N/A

Increment N subtotal: 4.95, 5 reporting months
Increment N+1 subtotal: 10.48, 11 reporting months
Increment N+2 subtotal: 2.86, 3 reporting months
Calculation: 18.29 / 19 reporting months = 0.96 SPI(average)

Example fee pool calculation: Fee pool from Annex Four: $1,000,000.
Weighting for Schedule from Annex Four: 20%. Schedule Fee Pool: $200,000.
Schedule SPI Sub-area weighting: 30%. Schedule SPI sub-area pool: $60,000.
Schedule SPI sub-area fee: $45,000 to $53,400.

ANNEX FIVE

PERFORMANCE/AWARD CORRELATION

For each qualitative Performance Evaluation Area, the elements listed in Annex Three will be evaluated against the following grading criteria. After an evaluation grade (excellent, good, satisfactory, or unsatisfactory) is determined, a percentage score is subjectively assigned within the range for the evaluation grade.

Percentage	Adjective	Definition
91-100	Exceptional	Performance meets contractual requirements and exceeds many to the Government's benefit. The contractual performance of the elements or sub-element being assessed was accomplished with few minor problems for which corrective actions taken by the contractor were highly effective.
76-90	Good	Performance meets contractual requirements and exceeds some to the Government's benefit. The contractual performance of the element or sub-element being assessed was accomplished with, at most, minor problems for which corrective actions taken by the contractor were effective.
50-75	Satisfactory	Performance meets contractual requirements. The contractual performance of the element or sub-element may contain some minor problems for which corrective actions taken by the contractor appear or were satisfactory.
0-49	Unsatisfactory	Performance does not meet some contractual requirements and recovery is not likely in a timely manner. The contractual performance of the element or sub-element contains serious problem(s) for which the contractor has not yet identified corrective actions, or for which the contractor's corrective actions appear or were ineffective.

Percentages awarded to the Contractor in accordance with the above scale shall be converted into percentage of earned PE Pool fee by multiplying the grade percentage with Annex Four's PE Area weighting percentage and Annex Four's PE Pool for the current evaluation period. Zero fee shall be earned for any qualitative PE Area rated as "Unsatisfactory," although a percentage grade may still be forwarded as feedback to the contractor.

Sample calculation:

Adjective: Exceptional. Percentage assigned: 93%. Weighting from Annex Four: 20%. Fee pool from Annex Four: $1,000,000. Fee for "this" PE Area: 93% x 20% x $1,000,000 = $186,000

ANNEX SIX

ONE-TIME SPECIAL PERFORMANCE INCENTIVE

1.0 A one-time SPI is constructed to incentivize sound systems engineering principles, as outlined in this Award Fee Plan. This SPI is intended to incentivize the contractor to maintain a long-range view of sound systems engineering. Under this SPI, the contractor's systems engineering principles will be evaluated based on two factors: an open architecture, as evaluated by an independent organization, and a secure architecture, as measured by the system achieving the Evaluation Assurance Level (EAL) "common criteria" level specified as the objective requirement. The two components must be evaluated within 24 months of each other.

1.1 This SPI shall not be funded until the contractor declares it is ready to be evaluated under the terms of the Award Fee plan and the government concurs with this recommendation. The contractor shall give a minimum of 12 months notice prior to the desired activation of the SPI. Value is set at $300,000.

1.2 This Annex, as amended, will be incorporated into the Award Fee Plan after the contractor declares it is ready for evaluation and the government agrees. This Annex is provided for informational purposes only until that time and is not an operative part of the Award Fee Plan.

1.3 The SPI fee will be determined directly by the percentage awarded by the SPI evaluation. The SPI fee will be added to the PE Pool fee to determine the total award fee due for the period, provided that the evaluation for all PE areas is at least "satisfactory." If the contractor receives an "unsatisfactory" in any PE area during the evaluation period in which the SPI evaluation is completed, then no SPI Pool fee will be awarded, regardless of the outcome of the SPI evaluation.

1.4 Following the SPI evaluation, if any SPI fee is awarded, a contract modification will be issued authorizing billing of the awarded amount.

2.0 SPI EVALUATION FACTOR 1: OPEN ARCHITECTURE. Current acquisition policy direct programs to use a Modular Open System Approach (MOSA) to ensure access to the latest technologies and products and facilitate affordable and supportable modernization of fielded components. The following paragraphs from the Interim Defense Acquisition Guidebook, 30 Oct 2002, highlight the importance of developing open systems.

2.1 C2.7.1. Open Systems. PMs shall apply the open systems approach as an integrated business and technical strategy upon defining user needs. PMs shall assess the feasibility of using widely supported commercial interface standards in developing systems. The open systems approach shall be an integral part of the overall acquisition strategy to enable rapid acquisition with demonstrated technology, evolutionary and conventional development, interoperability, life-cycle supportability, and incremental system upgradability without major redesign during initial procurement and reprocurement of systems, subsystems, components, spares, and services, and during post-production support. It shall enable continued access to cutting edge technologies and products and prevent being locked in to proprietary technology. PMs shall document their approach for using open systems and include a summary of their approach as part of their overall acquisition strategy.

2.2 C5.2.3.5.5. Open Systems Design

2.2.1 C5.2.3.5.5.1. PMs shall use a modular, standards-based architecture in the design of systems. They shall identify key interfaces and define the system level (system-of-systems, system, subsystem, or component) at and above which these interfaces use various types of standards. Preference shall be given to the use of open interface standards first, then to de facto interface standards, and finally to Government and proprietary interface standards. PMs shall report on their progress using open standards for key interfaces at both Milestones B and C.

2.2.2 C5.2.3.5.5.2. PMs shall use an open systems approach to achieve the following objectives:

2.2.2.1. C5.2.3.5.5.2.1. To adapt to evolving requirements and threats;

2.2.2.2. C5.2.3.5.5.2.2. To accelerate transition from science and technology into acquisition and deployment;

2.2.2.3. C5.2.3.5.5.2.3. To enhance modularity and facilitate systems integration;

2.2.2.4. C5.2.3.5.5.2.4. To leverage commercial investment in new technologies and products;

2.2.2.5. C5.2.3.5.5.2.5. To reduce the development cycle time and total life-cycle cost;

2.2.2.6. C5.2.3.5.5.2.6. To ensure the system is fully interoperable with all systems with which it must interface, without major modification of existing components;

2.2.2.7. C5.2.3.5.5.2.7. To achieve commonality and reuse of components among systems;

2.2.2.8. C5.2.3.5.5.2.8. To provide users the ability to quickly and affordably interconnect and assemble existing platforms, systems, subsystems, and components, as needed;

2.2.2.9. C5.2.3.5.5.2.9. To maintain continued access to cutting edge technologies and products from multiple suppliers during initial procurement, reprocurement, and post-production support;

2.2.2.10. C5.2.3.5.5.2.10. To mitigate the risks associated with technology obsolescence, being locked into proprietary technology, and reliance on a single source of supply over the life of a system;

2.2.2.11. C5.2.3.5.5.2.11. To conduct business case analyses to justify decisions to enhance life-cycle supportability and continuously improve product affordability through technology insertion during initial procurement, reprocurement, and post-production support; and

2.2.2.12. C5.2.3.5.5.2.12. To facilitate modular contracting.

2.3 MOSA is characterized by modular design, key interfaces, and the use of open standards for key interfaces. The other element of primary consideration is implementation. The implementation must evaluate, select, procure, and test the implementation of selected standards. Since the special emphasis of MOSA is the use of COTS products, the selected implementations may have some unexpected integration problems. In that case the process must be iterated again and the implementation, standard or architecture changed and if that does not resolve the issue the

requirements must be revisited. All architectures and documentation must be updated so the advantages of an open system are maintained.

2.4 Since openness is a mandated for acquisition of new systems, this special incentive is based upon an evaluation or demonstration of openness. The evaluation of openness for the special incentive will be accomplished when the developer indicates they are ready. The government may choose one or any combination of the following methods of evaluation.

2.4.1 Demonstration – the developer would be requested to integrate an additional COTS/GOTS component, replace an exiting component with a new component, or change the source of information (e.g., replace HPAC with a new model or a new COTS/GOTS tool). The developer will provide a plan for the integration. The government will review the plan for the time and effort required for the integration and especially looks at the componentization, interfaces, and standards involved to complete the integration. At the government discretion, the integration task may be physically completed to validate the assertions of the integration plan. Since using MOSA promises to reduce the impact of a new integration, the demonstration would show the effectiveness of the modularization of components, the identification of key interfaces and the use of open standards for the interfaces. The factors used to determine the outcome of the demonstration are: the number of components that would require modification, the accurate identification of the interfaces impacted, the amount of change required to existing interfaces, and the application of standards/protocols to complete the demonstration.

2.4.2 Examination – the architectures developed would be provided to be reviewed for componentization, identification of key interfaces, and the use of open standards. The review would be done by an internal government chartered group and this review may be supplemented by a review by an independent group, such as Software Engineering Institute, for an openness assessment. The factors considered for the evaluation are how the code baseline has been componentized (to minimize impact when a capability requires modification or replacement), the identification of the interfaces (how many other components may be affected by changing a component), and the use of open standards for the implementation of the interfaces.

2.4.3 Contractor alternative – the offeror may propose an alternate demonstration or evaluation method to demonstrate the concepts of openness.

2.5 The government will take the results of the evaluation methods it chooses to employ and determine and overall results. The result would fall in one of three categories:

2.5.1 Low – the system has significant modification to many components when a component is modified or replaced, interfaces or dependencies between components are not recognized or are unknown, and open standards (open here means that the standard is published so others can access not that it is accepted by a standards body, e.g., Microsoft's .net environment is considered open) are not employed for the interfaces.

2.5.2 Medium – standards have been employed but the modification of a component causes changes to many other components or the changes are not expected because the interfaces are not completely identified.

2.5.3 Open – interfaces and dependencies are identified and open standards have been employed for implementing the interfaces resulting in a change to a component being localized

primarily to the component with impacts to other components and interfaces identified before the modification of the component.

2.6 The special incentive award will only be awarded if an overall "open" result is obtained.

2.7 References:

2.7.1 DoD Directive 5000.1, 12 May 2003

2.7.2 DoD Instruction 5000.2, "Operation of the Defense Acquisition System", 12 May 2003

2.7.3 Interim Defense Acquisition Guidebook, 30 Oct 2002

3.0 SPI EVALUATION FACTOR 2: SECURE ARCHITECTURE.

3.1 The future planning and analysis environment needs to operate and interact with many different classifications levels of information. Currently, the SWPS system operates only at a system high TS-ESI SIOP level with some special separate hardware and methods for special control measures such as two person control, PRP, and special access information. Information from external sources of different classification levels is manually entered, moved via physically disconnected means such as tape or floppy disk (sneaker net) or input via one-way guard. This falls significantly short of the current ORD objective requirement.

3.2 The future system's Information Assurance (IA) architecture is guided by DoD Directive 8500.1, Information Assurance (IA), 24 Oct 2002; DoD Instruction 8500.2, Information Assurance (IA), 6 Feb 2003; DoD 8510.1-M, DITSCAP Manual, 31 Jul 2000 and NSTISSP No. 11., Revised Fact Sheet National Information Assurance Acquisition Policy, Jul 2003. The system is expected to interact with systems under the purview of the intelligence world and governed by DCID 6/3. This means that DCID 6/3 must also be accounted for in the DITSCAP accreditation process.

3.3 One of the primary changes in the IA direction is the use of the Common Criteria for Information Technology Security Evaluation (ISO/IEC 15408). The Common Criteria use Protection Profiles to guide the evaluation of a product or system. The scale used to report the evaluation is the Evaluated Assurance Level (EAL). The EALs (ranging from 1 to 7) are generally equivalent to the old Trusted Computer Security (TCSEC) levels. With EAL 4 being approximately equivalent to the B1: Label Security Protection and EAL 5 mapping to the B2: Structured Protection. The B2 level was generally considered to be true multi level security but that the B1 level would provide acceptable mechanisms for handling information at multiple security levels.

3.4 The current emphasis of the evaluation process has been evaluating individual products and the only approved Protection Profiles (NSA is the agency we look to for approval of profiles) are for product areas (database, operating system, …). The results of current evaluations are presented in a list of approved products and their associated EAL (the list of approved products and protection profiles can be accessed at http://niap.nist.gov/cc-scheme/). However, we need a system that can be accredited to handle multiple classification levels of information electronically with the desired level being EAL 5 but EAL 4 being acceptable; EAL 4 is specified as the objective requirement in the TRD. The accreditation of a system is somewhat decoupled from the evaluation process because accreditation is the evaluation of software, hardware, and processes for the system to determine that the overall environment has an

acceptable risk. The evaluations are just supporting information for the accreditation. This presents a complicated situation for getting a system evaluated and approved for operation. This special incentive recognizes that the developer of the system does not control the accreditation process but can negatively impact accreditation if a robust IA architecture is not presented.

3.5 The special incentive award will evaluate the IA architecture presented for the developed/integrated software system. It is expected that the architecture will provide components approved at EAL 4 or higher or the architecture can properly protect lower level evaluated products to achieve an EAL 4. The preferred evaluation method would be to have the system evaluated by an accredited facility against an approved system Protection Profile. Since there is currently (at contract award) only a draft Protection Profile for a system evaluation (Multinational Information Sharing (MNIS) Protection Profile (PP) For Networked Information Systems, Version 1.0, 25 Sep 2002) and we do not know when NSA approval for the profile will be accomplished, we can only use the PP as a guide. This special incentive will be awarded if all of the criteria relating to the software components are addressed and could be reasonable expected to pass an evaluation based upon the PP.

SPIRAL DEVELOPMENT INCREMENT PLAN (SDIP) PROCESS

1.0 This contract uses evolutionary acquisition, spiral development, and incremental development, within the meaning of DoD Acquisition Guidance. Software to be developed under this contract shall be based on validated requirements contained in the Technical Requirements Document (TRD) for the Framework Functions and Technical Direction Documents (TDD) for each of the extant products. The process for identifying specific TRD/TDD requirements to be developed and the timeframe for their delivery shall be specified by this Spiral Development Increment Plan (SDIP) Process.

2.0 Modification of SDIP Process. The government may make unilateral changes to the SDIP Process at any time, if those changes affect government processes only. The government may only make unilateral changes to the SDIP Process which affect the contractor prior to the initiation of an increment. Once an increment has been initiated, changes affecting the contractor shall be by bilateral agreement.

3.0 As of 2003, the government changes software baselines during mid-June and mid-December. For the foreseeable future, the Government envisions software capabilities will continue to be delivered to the Government in a manner similar to that utilized in 2003. Certain changes to the existing process will incorporate the addition of ISPAN framework capabilities. All ISPAN applications execute a synchronized "cutover" to the new software baseline in conjunction with the Enterprise Database (EDB), although exceptions occur. Cut-over is timed to meet the needs of the deliberate planning process, and represents the anchor point from which all software development and testing is backed-off. Contractor-proposed changes to the cut-over process will require extensive justification, and there is no assurance such recommendations will be approved by the government.

4.0 Each year, capabilities previously documented in the modernization contract TRD will be evaluated by a customer review board for prioritization into the forthcoming SDIP. Those requirements which obtain sufficient government priority will be included in the SDIP for delivery during the following development period, normally 12-18 months. The government will develop the procedures for implementing the customer review board. The Systems IPT will act as the single focal point for identifying/ prioritizing requirements.

5.0 Requirements in the SDIP to be subsequently delivered include traditional software maintenance requirements (corrective and perfective changes), enhancements (perfective and adaptive), and development driven by the need to transform the system to achieve the end-state vision. It will be the Government's responsibility, in close coordination with all contractors, to ensure that all requirements (those for the new ISPAN framework functions, extant products, legacy applications, and outside programs) are properly coordinated and phased. This will result in a single baseline of ISPAN software in the production environment at any one time; two baselines will not be maintained. The spiral development process provides the flexibility to implement capabilities that meet the Government's priorities as they change throughout the program.

6.0 Each SDIP may include multiple deliveries. For planning purposes only, the following terminology will be utilized to identify potential deliveries. The date indicates the government's expected EDB cutover.

6.1 December, 2004: Increment 0
6.2 June, 2005: Increment 1
6.3 December, 2005: Increment 2

6.4 June, 2006: Increment 3
6.5 December, 2006: Increment 4
6.6 June, 2007: Increment 5

7.0 Normally, two formal deliveries will occur during an SDIP, in conjunction with cutovers. Exceptions to this minimum shall be established during each year's SDIP process. Additional deliveries may also occur. These additional deliveries may take the form of "service releases" to the Production environment, "engineering drops" to the USSTRATCOM Development or Test Environment, "experimental releases" to the Experimental Planning Lab, or other deliveries as determined jointly by the contractor and government. When the second delivery of an SDIP occurs in a follow-on block, the government will still utilize a single SDIP for both deliveries in order to remain synchronized with USSTRATCOM business processes.

8.0 The USSTRATCOM Test and Evaluation Master Plan (TEMP) will outline, in general terms, the contractor and government test process to be followed. Once the software components are delivered to the Government, they will go through rigorous testing processes to ensure all agreed capabilities have been delivered and function properly and previously existing capabilities are still functional. After approval in the testing process, the software will then be considered for promotion into the USSTRATCOM operational ("Production") environment. The detailed test processes to be followed will be generated each year, based on the SDIP and in coordination with all affected contractors and AFOTEC. The contractor shall be responsible for generating those portions of the master test plan assigned to it in the TEMP. The TEMP will be a living, shared process between the government, modernization contractor, and legacy contractors.

9.0 The contractor should expect that the government will formally change the modernization TRD (classified SECRET) and TDD's at least annually, in accordance with standardized Engineering Change Proposal (ECP) processes. The government will add requirements to a draft TRD/TDD as they are validated, in order to provide the contractor with maximum visibility into the end-state vision. The contractor shall only be immediately responsible for those TRD/TDD requirements incorporated in approved SDIP's, which, in turn, shall only include requirements from approved TRD's/TDD's. The contractor will be incentivized to ensure that all development work is accomplished based on an understanding of the eventual goal. The requirement for development to be based on a long-term vision, combined with the use of an evolutionary acquisition strategy, may drive certain changes to development already ongoing. In such cases, the contractor shall seek direction from the government, and should expect to be directed to provide estimates of the cost, performance, and schedule tradeoffs needed in order to modify current development to meet the "eventual goal" requirement.

9.1 The TRD will include all identified requirements that could potentially involve ISPAN contractor action. This will include requirements entirely under the purview of the modernization contractor; requirements primarily the responsibility of the modernization contractor, but shared with other contractors; and requirements primarily the responsibility of other contractors, but shared with the modernization contractor. The latter two categories will be indicated in the TRD with "shall*" in place of "shall" statements. The customer review board and SEMP process will be used to demarcate responsibilities.

10.0 The government will be the systems integrator for ISPAN. As the systems integrator, the Government will provide the interface with the existing application contractors and the modernization contractor, through the USSTRATCOM Systems Engineering Management Plan (SEMP) process. The ISPAN application contracts will be expanded, as appropriate, to include requirements to transform their applications to meet the goals for the overall system.

10.1 The Government will define the SEMP process that will be utilized to resolve integration issues within ISPAN and USSTRATCOM. The modernization contractor shall implement a SEMP process to operate in conjunction with the USSTRATCOM SEMP. The SEMP process should be utilized to resolve integration issues between the modernization contractor and legacy contractors, when these issues require government involvement. The modernization contractor

will form ASCON relationships with the legacy contractors in order to simplify integration issues.

10.2 The ISPAN portion of the USSTRATCOM SEMP will be a living, shared process between the Government, legacy contractors, and modernization contractors. The SEMP will define who has responsibility for other processes, and how the Government will implement those processes for which it is responsible. The contractor shall be responsible for developing its own SEMP processes and participating in the government processes.

10.3 As part of the software architecture development process, the modernization contractor shall make recommendations to the government regarding hardware (e.g. servers, network infrastructure, multi-level security guards, etc.) and infrastructure software (e.g. operating system versions, database versions, compiler versions, etc.) necessary for the software architecture to be implemented. Since the government is under no obligation to follow such recommendations, the contractor should present cost, performance, and schedule trade space data to help the government understand the ISPAN program implications of particular infrastructure recommendations. Implementation of hardware solutions within USSTRATOM headquarters shall be the responsibility of the government and its Information Technology Capabilities Contract (ITCC) contractor.

11.0 Notional SDIP process timeline. The following example is intended as a guide to major events during SDIP preparation; actual timelines may vary substantially.

11.1 November-February: internal government review/establishment of major program priorities for following fiscal year.

11.2 February-May: customer review board process refines priorities and develops SDIP from TRD and TDD requirements.

11.3 June-September: proposal requested and received, negotiations, contract modification prepared (if ECP required).

11.4 October-December: funding available; work begins on deliveries for following December (12 months) and June after next (18 Months).

See separate file on http://eda.ogden.disa.mil

or https://www.nafi.navy.mil for Attachment 7

DATA MANAGEMENT SYSTEMS
TECHNICAL DIRECTION DOCUMENT

1.0 Purpose. The purpose of the Data Management Systems (DMS) Technical Direction Document (TDD) is to provide direction for the ongoing DMS software operations and sustainment effort.

2.0 Requirements. DMS products are required by Strike Warfare Directorate's Strike Application and Experimental Planning Lab Division (ST13) personnel to perform data administration tasks necessary to support Operational Plan (OPLAN)-level requirements directed to Strike Warfare Directorate's Combat Plans Division/USSTRATCOM (ST12). The DMS Software developer shall maintain and integrate the following Computer Software Components (CSCs) that compose the Data Management System:

2.1 DATMAN - The DATMAN application provides open-ended data movement capabilities. This is accomplished through user-defined rulesets and mappings. The ruleset is used to arrange the source to resemble the destination structure. The mapping assigns a source column to a destination column. The DATMAN application interfaces with Integrated Strategic Planning Network (ISPAN) Enterprise Database Data Version (EDBDV) and Enterprise Database New Look (EDBNL) via the Structured Query Language (SQL) to perform all necessary operations. Functions include:

2.1.1 Radar Fixed Point (RFP) – RFP is National Geospatial-Intelligence Agency (NGA) provided data that provides ground navigation points for Air Vehicles. RFP is provided by USSTRATCOM to external customers.

2.1.2 WINDS - Planners use climatological winds data to estimate air vehicle refueling requirements and radioactive fallout patterns

2.1.3 Terrain Contour Map (TERCOM) catalog loader - The TERCOM catalog is used to manage the ordering and delivery of National Geospatial-Intelligence Agency (NGA) TERCOM data used in mission planning for routing Air Launch Cruise Missile (ALCM) and Advanced Cruise Missile (ACM).

2.1.4 Digital Aeronautical Flight Information File (DAFIF) - DAFIF is a NGA product used by the Air vehicle Planning System (APS) for bomber route development. DAFIF data is versioned in EDBNL. The source DAFIF data resides on the spatial data server.

2.1.5 Non-Versioned NL to NL Data Mover - Moves non-versioned tables from one NL database to another NL database. Used to initialize/refresh databases or to move a working standalone database to a public database.

2.1.6 Versioned NL to NL Data Mover - Moves versioned tables from one NL database to another NL database on a configuration basis. Versioned objects in the source database configuration are copied to the target database and associated with the target configuration.

2.1.7 Targeting undercover NL to NL specialty data mover - Used by targeting as an internal targeting process mover. It updates the objects in the target database configuration by comparing objects in the source database configuration and making the appropriate updates, inserts, or object association deletions to make the target configuration objects match the data in the source configuration.

2.1.8 Consolidated Air Defense Order of Battle (CADOB) - CADOB software system populates the EDBNL with CADOB data derived from EDBNL Generalized Military Intelligence (GMI). GMI data is copied from the Modernized Intelligence Database (MIDB). CADOB consists of Air Order-of-Battle (AOB), Missile (Strategic Surface-to-Air Missile OB (MOB), Tactical Surface-to-Air Missile OB (TOB), Radar OB (ROB) data consolidated for specific user requirements, and in other capabilities (PD loader, PC4 loader)

2.1.9 External Support System (ESS) – ESS retrieves non-flight plan data from the EDB, and formats this data for direct media output (4/mm DAT or 9-track tape) as outlined in the corresponding Interface Control Documents (ICD):

2.1.9.1 USSTRATCOM to AFMSS (U2A) ICDs

2.1.9.2 Mission Data Preparation System (MDPS) to Air Combat Command (ACC) 9-Track Tape ICD

2.1.10 EDBNL Targeting Data Mover (ENTDM) – ENTDM provides a mechanism to copy Targeting data from an EDBNL source to an EDBDV destination, one source configuration at a time. The ENTDM application interfaces with EDBDV and EDBNL via the Structured Query Language (SQL) to perform all necessary operations

2.2 Automated Air Facility Information File (AAFIF) – AAFIF software system processes and maintains data obtained from NGA to be managed on ISPAN and used in the production of the OPLAN 8044. The AAFIF input file contains a list of the current airport and runway information. The list is the source by which planners designate the final takeoff and recovery points for the ISPAN application.

2.3 DVMOVER – The DV to DV Mover software system allows a user to copy EDB data from selected tables of one DV to common tables in another DV or file.

2.4 FILEVIEW – The FILEVIEW system converts binary data to American Standard Code for Information Interchange (ASCII) format for viewing/validating.

2.5 Fratricide Build (FRATBLD) - FRATBLD constructs multiple sets of fratricide data.

2.6 Reconnaissance Planning System (RPS) – RPS is the automated tool used in the reconnaissance planning process. The system provides a graphical user interface to the data. RPS produces route and objective data for Document Production. RPS also produces DIA, 9th IS, and JCS files.

2.7 TERCOM Placement and Evaluation (TPEP) - TPEP provides an interactive graphics program which automates the placement, evaluation, and requesting of TERCOM sites for the STRATCOM cruise missile planner. TPEP incorporates a NGA endorsed TERCOM site validation criteria and methodology.

2.8 EDBNL Application Programming Interface (ENLAP) – ENLAP provides Application Programming Interfaces (API) for the EDBNL environment. These APIs provide standard interfaces to the EDBNL database and the means to perform all functions necessary to maintain data integrity.

2.9 EDBNL Object Manager (ENLOM) – ENLOM provides a Graphical User Interface (GUI) to many of the APIs included in ENLAP and some functionality not provided in the API's. With appropriate permissions, ENLOM enables developers, data stewards and users to perform various data management operations.

2.10 EDBNL Data Mover (ENDAM) - ENDAM moves data from the Old Look EDB into EDB New Look. Moves non-versioned and versioned data in a pre-production environment. Used to set up developer databases and do the initial population of New Look databases in the Command.

3.0 Objectives/Justification. This TDD is to be used as a guideline for services to future and ongoing development, maintenance, and system support of the DMS effort. DMS, as part of ISPAN, will be managed as a WBS project within the overall Program effort. It is desired to merge DPS work into the overall contract effort where and when beneficial to the government to achieve Program objectives and cost efficiencies.

3.1 References.

- **3.1.1** USSTRATCOM Systems Architecture Document (SAD)
- **3.1.2** USSTRATCOM Technical Architecture Document (TAD)
- **3.1.3** ISPAN Production Schedule
- **3.1.4** Testing and Evaluation Master Plan (TEMP)
- **3.1.5** System Engineering Master Plan (SEMP)

4.0 Specific Tasks.

4.1 Software Engineering and System Integration. The main focus of the software developer team is to deliver software that satisfies the functional requirements detailed by the Program Manager. The software development contractor shall accomplish this by developing, maintaining, and integrating the Computer Software Components (CSCs) that compose the Data Management System as stated in section 2.0 of this TDD.

4.2 Maintenance Activity Tasks. The following is a list of the maintenance activities to be performed by the software developer. The software developer:

4.2.1 Performs integration and Formal Qualification Testing (FQT) of the DMS CSCs and shall provide support for DMS Operations Acceptance Testing activities performed by the government.

4.2.2 Includes, in the maintenance process, provisions to maintain reusability features of the DMS CSCs.

4.2.3 Ensures the DMS software delivery schedule facilitates:

4.2.3.1 The actual production use of the software within the planning process.

4.2.3.2 The use by both on-site and off-site developers to support application development and testing.

4.2.4 Maintains the DMS software by performing routine adaptive, corrective, and perfective maintenance.

4.2.5 Provides one-on-one training or classroom training for delivered DMS software.

4.2.6 Present all potential maintenance needs and activities to the Data Services (DS) Integrated Product Team (IPT) for validation and prioritization.

4.2.7 Proposes recommended software delivery schedules that meet USSTRATCOM requirements, for approval of the IPT.

4.2.8 The software developer shall maintain DMS and provide development utilities and tools required to support the DMS CSCs listed in section 2.0 of this TDD.

4.3 Corrective maintenance.

4.3.1 The software developer shall provide ongoing corrective software engineering to eliminate program deficiencies and errors uncovered by program users, testers, or developers. Any deficiencies or errors uncovered by users or testers shall be coordinated for Program Manager approval before correction.

4.3.2 The software developer shall provide technical assistance in trouble shooting existing programs.

4.4 Adaptive maintenance.

4.4.1 Under the CL15 Program Manager (PM) direction, the software developer shall modify the DMS functions on an as-required basis and adapt DMS CSCs to support the Strike Warfare Division operations.

4.4.2 Ongoing adaptive maintenance consists of the following activities:

4.4.2.1 EDB modifications and integration, to include out of cycle change forms.

4.4.2.2 External interface incorporation and maintenance

4.4.2.3 The software developer shall incorporate guidance updates to support OPLAN 8044.
4.4.2.4 The software developer shall design delivery schedules to meet STRATCOM requirements.

4.5 Perfective maintenance.

4.5.1 The software developer shall provide ongoing perfective software engineering to optimize the functionality of existing software as directed by the DS IPT to meet program users' needs.
4.5.2 The perfective maintenance shall also include specific user requested interface enhancements.
4.5.3 The perfective maintenance shall also include 'ease of use' enhancements.

4.6 New Functionality. The software developer routinely provides the addition of enhancements, which are outside the normal maintenance activities, to the DMS. These items will be directed by the CL15 PM and will be accomplished by a government priority. Functional enhancements may include:

4.6.1 Incorporate AAFIF and File View into DATMAN.
4.6.2 TPEP enhancements – rewrite of graphic display and map placement evaluation algorithm.
4.6.3 Support the loading of data from the MIDB-C to the GMI database.
4.6.4 Support ISPAN planners requirement for Forecast Winds data in the EDB.
4.6.5 Incorporate RPS and TPEP into DATMAN.
4.6.6 Incorporate any other new mission requirements that may be needed to support Unified Command Plan Change 2 (UCP CH2) missions.

4.7 IPT Support. The software development staff shall participate in the DS and EDB IPT. The DS IPT shall be the primary means by which DMS planning issues are managed, addressed, and resolved. At regularly scheduled DS IPT meetings, the software developer should be prepared to discuss issues relating to planning functions, schedule changes, potential program modifications, risks, and coordination with other Government agencies.

4.8 Software Requirements Analysis. The software developer develops and delivers software requirements. This is accomplished prior to the beginning of each new software version coding effort.

4.9 Optional tasks. The following is a list of optional tasks to be performed by the software developer during the performance period of this contract:

4.9.1 Develop tools to support the import and export of data required to support conventional and non-kinetic weapon systems within the EDB.

4.9.2 Develop APIs to enable ISPAN software components to access DMS tools, thus enabling the automation of data staging in support of time critical planning functions.

4.9.3 Develop tools to provide data movement into and out of various security enclaves.

4.10 Performance period. The initial performance periods for each of the extant products begins 1 October 2004. This is a delayed start, thereby making the extant product CLIN a contract option. The period of performance for each option year will end 31 January, with the following optional period of performance beginning 1 February, throughout the life of the contract.

4.11 Product deliverables.

4.11.1 Documentation. The software developer develops and delivers documentation in accordance with the contract Exhibit A, Contract Deliverables Requirements List (CDRL). Those items not included in Exhibit A may be provided in a contractor format acceptable to the government. The software developer may suggest, to the government, the tailoring (or elimination) of any document, or the use of CDRL A019 in place of the equivalent Exhibit A CDRL. Such recommendations shall occur in coordination with the DS IPT, coordinated through the Systems IPT. Recommended actions, as agreed upon by the CL15 Program Management Office, the IPT, and the Contractor, shall be implemented. The CDRL items required for the DMS software subsystem are listed below. Each shall be delivered separately from the program CDRL, until such time as the contractor proposes, and the government agrees, to incorporate them into equivalent program (framework function) CDRLs.

4.11.1.1 Software Design Description (SDD)
4.11.1.2 Software Development Plan (SDP)
4.11.1.3 Operations Concept Document (OCD)
4.11.1.4 Software Requirement Specification (SRS)
4.11.1.5 Interface Requirements Specification (IRS)
4.11.1.6 Interface Design Document (IDD)
4.11.1.7 Software Test Description (STD)
4.11.1.8 Software Test Plan (STP)
4.11.1.9 Software Test Report (STR)
4.11.1.10 Software Version Description (SVD)
4.11.1.11 Software User Manual (SUM)
4.11.1.12 Training Materials

4.11.2 Software. The software developer shall deliver the application software as identified in section 2.0 of this TDD. The following items shall be delivered IAW Exhibit A, CDRL A018. The DMS data shall be delivered separately, until such time as the contractor proposes, and the government agrees, to incorporate them into equivalent program (framework function) CDRLs.

4.11.2.1 Executables
4.11.2.2 Source code
4.11.2.3 Windows
4.11.2.4 On-line help files
4.11.2.5 Data

4.11.3 Reviews. The software developer shall accomplish the following reviews during the development cycle for each product. These reviews will include representatives from the developer team, the Program Management, Functional Management and end users.

4.11.3.1 System Requirements Review (SRR)
4.11.3.2 System Design Review (SDR)
4.11.3.3 Requirements Joint Technical Review (JTR)
4.11.3.4 Preliminary Design Review (PDR)
4.11.3.5 Critical Design Review (CDR)
4.11.3.6 Design JTR
4.11.3.7 Test Readiness Review (TRR)
4.11.3.8 Production Readiness Review (PRR)

4.11.4 Earned Value Management System (EVMS). The software developer shall, on a monthly basis, deliver DMS specific EVMS data to the CL15 Program Management Office. This data should be incorporated into the program CDRL A013, unless the contractor can provide a best-value rationale for providing it separately. This data includes, at minimum:

4.11.4.1 Budgeted Cost of Work Scheduled (BCWS)
4.11.4.2 Budgeted Cost of Work Performed (BCWP)
4.11.4.3 Actual Cost of Work Performed (ACWP)
4.11.4.4 Budgeted at Completion (BAC)

4.12 Program events and milestones. Schedule milestones shall be provided in the program IMP/IMS. The contractor may also incorporate them as separate deliverable items. Schedule details will be worked with CL15 Program Office following the SDIP process, which may be tailored for this project. DMS is dependent on the Enterprise Data Base (EDB) business process which currently provides production deliveries approximately twice a year (June/Dec). DMS will have at minimum two deliveries each year to coincide with the EDB. An integrated baseline review schedule, that includes the tasks and milestones to support all specified deliverables should be included. Dependencies, resources, should be identified as well as the critical path.

5.0 Manpower/resources estimates. The DMS project has historically utilized approximately 12.1 FTEs to provide the functionality described, with an expected ramp-down to 7.5. (Note the ramp down to a stabilized funding stream with a real decrease over the life of the contract in FY2005 and beyond. This decrease is expected to result from total life cycle cost efficiencies.)

Table 5.1

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1.742	1.779	1.815	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106

6.0 Critical dependencies. DMS is dependent on the EDB, currently transitioning from Sybase 12 to Oracle 9i. There is a dependency of other IPTs on the delivery of DMS products to support application development and testing**.**

7.0 Risks. A risk management plan, which may be incorporated into program CDRL A006, should provide real time access to the contractor's risk items, their status, mitigation strategies, OPRs, and related information.

DOCUMENT PRODUCTION SYSTEM
TECHNICAL DIRECTION DOCUMENT

1.0 Purpose. The purpose of the Document Production System (DPS) Technical Direction Document (TDD) is to provide direction for the ongoing DPS software operations and sustainment effort.

2.0 Requirements. DPS is required by Strike Warfare Directorate's Combat Plans Division (ST12) to provide OPLAN mission data reports to field components and outside agencies, as directed by the JSCAP. The DPS Software developer shall maintain and integrate the following Computer Software Components (CSCs) that compose the Document Production System:

2.1 Document Production System (DPS). The DPS supports Air Room Document Production Activities. DPS produces several types of documents/reports that are distributed to United States Strategic Command (USSTRATCOM) components and outside agencies. Additionally, the DPS Viewer is a Power Soft Reports (*.psr) viewing utility bundled with the DPS application.

2.2 Block Transmit (BKXMIT). The BKXMIT software application takes any ASCII-formatted file and converts the file into the JANAP-128 message format for electronic transmittal. It is used to prepare DPS reports for transmittal to field components.

2.3 Reserve Force Target List Data Viewer (RFTLVWR). The RFTLVWR application is distributed to field units and used for display, print, and search capabilities of the targeting data flat files produced by DPS.

3.0 Objectives/Justification. This TDD is to be used as a guideline for ongoing development, maintenance, and system support of the DPS effort. DPS, as part of ISPAN, will be managed as a WBS project within the overall Program effort. It is desired to merge DPS work into the overall contract effort where and when beneficial to the government to achieve Program objectives and cost efficiencies.

3.1 References.
- **3.1.1** USSTRATCOM Systems Architecture Document (SAD)
- **3.1.2** USSTRATCOM Technical Architecture Document (TAD)
- **3.1.3** ISPAN Production Schedule
- **3.1.4** Testing and Evaluation Master Plan (TEMP)

3.1.5 System Engineering Master Plan (SEMP)

4.0 Specific Tasks.

4.1 Software Engineering and System Integration. The main focus of the software developer team is to deliver software that satisfies the functional requirements detailed by the Program Manager. The software development contractor shall accomplish this by developing, maintaining, and integrating the Computer Software Components (CSCs) that compose the Document Production System as stated in section 2.0 of this TDD.

4.2 Maintenance Activity Tasks. The following is a list of the maintenance activities to be performed by the software developer. The software developer:

4.2.1 Performs integration and Formal Qualification Testing (FQT) of the DPS CSCs and shall provide support for DPS Operational Acceptance Testing activities performed by the government.

4.2.2 Includes, in the maintenance process, provisions to maintain reusability features of the DPS CSCs.

4.2.3 Ensures the DPS software delivery schedule facilitates the actual production use of the software within the planning process.

4.2.4 Maintains the DPS software by performing routine adaptive, corrective, and perfective maintenance.

4.2.5 Provides one-on-one training or classroom training for delivered DPS software.

4.2.6 Presents all potential maintenance needs and activities to the Data Services (DS) Integrated Product Team (IPT) for validation and prioritization.

4.2.7 Proposes recommended software delivery schedules that meet USSTRATCOM production and support requirements, for approval of the IPT.

4.2.8 The software developer shall maintain DPS and provide development utilities and tools required to support the DPS CSCs in section 2.0 of this TDD.

4.3 Corrective maintenance.

4.3.1 The software developer shall provide ongoing corrective software engineering to eliminate program deficiencies and errors uncovered by program users, testers, or developers. Any deficiencies or errors uncovered by users or government testers shall be coordinated for Program Manager approval before correction.

4.3.2 The software developer shall provide technical assistance in trouble shooting existing programs.

4.4 Adaptive maintenance.

4.4.1 Under the CL15 Program Manager (PM) direction, the software developer shall modify the DPS functions on an as-required basis and adapt DPS CSCs to support the Strike Warfare Division operations.

4.4.2 Ongoing adaptive maintenance consists of the following activities:

4.4.2.1 Reviewing and analyzing EDB modifications, to include out of cycle change forms, and incorporating changes into the software as necessary.

4.4.2.2 Incorporating any format or delivery method changes specified by ST12 and driven by production requirements.

4.4.2.3 External interface incorporation and maintenance

4.4.2.4 The software developer shall incorporate guidance updates to support OPLAN 8044.

4.4.2.5 The software developer shall design delivery schedules to meet STRATCOM production and support requirements.

4.5 Perfective maintenance.

4.5.1 The software developer shall provide ongoing perfective software engineering to optimize the functionality of existing software as directed by the DS IPT to meet program users' needs.

4.5.2 The perfective maintenance shall also include specific user requested interface enhancements.

4.5.3 The perfective maintenance shall also include 'ease of use' enhancements.

4.5.4 In order to provide the government with the highest quality software, the perfective maintenance shall include any code optimizations that would increase the speed or efficiency of the application, or would conform to good coding standards/practices.

4.5.5 **New Functionality.** The software developer routinely provides the addition of major enhancements, which are outside the normal maintenance activities, to the DPS. These items will directed by the CL15 PM and will be accomplished by a government priority. Functional enhancements may include:

4.5.5.1 Support the transition from Sybase to Oracle.

4.5.5.2 Incorporate any other new mission requirements that may be needed to support Unified Command Plan Change 2 (UCP CH2) missions.

4.6 New Functionality. Although not currently programmed, changes to the ISPAN system may drive requirements for new functionality in DPS. Such requirements will be validated, prioritized, and, if necessary, funded, prior to the contractor obtaining responsibility for them.

4.7 IPT Support. The software development staff shall participate in the DS and EDB IPT. The DS IPT shall be the primary means by which DPS planning issues are managed, addressed, and resolved. At regularly scheduled DS IPT meetings, the software developer should be prepared to discuss issues relating to planning functions,

schedule changes, potential program modifications, risks, and coordination with other Government agencies.

4.8 Software Requirements Analysis. The software developer develops and delivers software requirements. This is accomplished prior to the beginning of each new software version coding effort.

4.9 Optional tasks. The following is a list of optional tasks to be performed by the software developer during the performance period of this contract:

- **4.9.1** Develop reports to support the dissemination of conventional and non-kinetic mission data.
- **4.9.2** Develop reports to support the dissemination of Global Strike sorties and targets.
- **4.9.3** Develop reports for Integrated Missile Defense planning data.
- **4.9.4** Develop reports for Information Operations planning data.
- **4.9.5** Migrate DPS from Power Builder to a TBD environment.
- **4.9.6** Incorporate web-based technology into DPS, to include user input and mission output.

4.10 Performance period. The initial performance periods for each of the extant products begins 1 October, 2004. This is a delayed start, thereby making the extant product CLIN a contract option. The period of performance for each option year will end 31 January, with the following optional period of performance beginning 1 February, throughout the life of the contract.

4.11 Product deliverables.

4.11.1 Documentation. The software developer develops and delivers documentation in accordance with the contract Exhibit A, Contract Deliverables Requirements List (CDRL). Those items not included in Exhibit A may be provided in a contractor format acceptable to the government. The software developer may suggest the tailoring (or elimination) of any document to the government an in coordination with the DS IPT, coordinated through the Systems IPT. Recommended actions, as agreed upon by the CL15 Program Management Office, the IPT, and the Contractor, shall be implemented. The CDRL items required for the DP software subsystem are listed below. Each shall be delivered separately from the program CDRL, until such time as the contractor proposes, and the government agrees, to incorporate them into equivalent program (framework function) CDRLs.

- **4.11.1.1** Software Design Description (SDD)
- **4.11.1.2** Software Development Plan (SDP)
- **4.11.1.3** Operations Concept Document (OCD)
- **4.11.1.4** Software Requirement Specification (SRS)
- **4.11.1.5** Interface Requirements Specification (IRS)

4.11.1.6 Interface Design Document (IDD)
4.11.1.7 Software Test Description (STD)
4.11.1.8 Software Test Plan (STP)
4.11.1.9 Software Test Report (STR)
4.11.1.10 Software Version Description (SVD)
4.11.1.11 Software User Manual (SUM)
4.11.1.12 Training Materials

4.11.2 Software. The software developer shall deliver the application software as identified in section 5.0 of this TDD. The following items shall be delivered IAW Exhibit A, CDRL A018. The DPS data shall be delivered separately, until such time as the contractor proposes, and the government agrees, to incorporate them into equivalent program (framework function) CDRLs.

4.11.2.1 Executables
4.11.2.2 Source code
4.11.2.3 Windows
4.11.2.4 On-line help files
4.11.2.5 Data

4.11.3 Reviews. The software developer shall accomplish the following reviews during the development cycle for each product. These reviews will include representatives from the developer team, the Program Management, Functional Management and end users. Review names are descriptive; the equivalent from the contractor's integrated processes may be substituted.

4.11.3.1 System Requirements Review (SRR)
4.11.3.2 System Design Review (SDR)
4.11.3.3 Requirements Joint Technical Review (JTR)
4.11.3.4 Preliminary Design Review (PDR)
4.11.3.5 Critical Design Review (CDR)
4.11.3.6 Design JTR
4.11.3.7 Test Readiness Review (TRR)
4.11.3.8 Production Readiness Review (PRR)

4.11.4 Earned Value Management System (EVMS). The software developer shall, on a monthly basis, deliver DPS-specific EVMS data to the CL15 Program Management Office. That data should be incorporated into the program CDRL A013, unless the contractor can provide a best-value rationale for providing it separately. The data includes, at minimum:

4.11.4.1 Budgeted Cost of Work Scheduled (BCWS)
4.11.4.2 Budgeted Cost of Work Performed (BCWP)
4.11.4.3 Actual Cost of Work Performed (ACWP)
4.11.4.4 Budget at Completion (BAC)

4.12 Program events and milestones. Schedule milestones shall be provided in the program IMP/IMS. The contractor may also incorporate them as separate deliverable

items. Schedule details will be worked with CL15 Program Office following the SDIP process, which may be tailored for this project. DPS is dependent on the Enterprise Data Base (EDB) business process which currently provides production deliveries approximately twice a year (June/Dec). DPS will have at minimum two deliveries each year to coincide with the EDB. An integrated baseline review schedule that includes the tasks and milestones to support all specified deliverables should be included. Dependencies, resources, should be identified as well as the critical path.

5.0 Manpower/resources estimates. The DPS project has historically utilized approximately 8.1 FTEs to provide the functionality described, with a ramp-down to approx. The historical and projected funding for this project is as outlined in Table 5.1, provided for informational purposes only. (Note the ramp down to a stabilized funding stream with a real decrease over the life of the contract in FY2005 and beyond. This decrease is expected to result from total life cycle cost efficiencies.)

Table 5.1											
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1.166	1.191	1.215	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106

6.0 Critical dependencies. DPS is dependent on the EDB, currently transitioning from Sybase 12 to Oracle 9i.

7.0 Risks. A risk management plan, which may be incorporated into program CDRL A006, should provide real time access to the contractor's risk items, their status, mitigation strategies, OPRs, and related information.

THEATER INTEGRATED PLANNING SUBSYSTEM (TIPS)
TECHNICAL DIRECTION DOCUMENT

1.0 Purpose. The purpose of the Theater Integrated Planning Subsystem (TIPS) Technical Direction Document (TDD) is to provide direction for the ongoing TIPS operations and sustainment effort. TIPS is an Advanced Concept Technology Demonstration (ACTD) that is presently in spiral phase III.

2.0 Requirements. TIPS is required to support OPLAN-level requirements currently directed to Global Strike Division/USSTRATCOM (ST11), which will also support other mission areas as their CONOPS evolve and mature.

2.1 Tracking Methodologies used for TIPS

2.1.1 Requirements Tracking Matrix (RTM) database – for requirements that have been approved for the version baseline.

2.1.2 Software Incident Report (SIR) database – used to track requirements (new and baselined), defects, perfective items, etc., at the development level.

2.1.3 Theater Control Group (TCG) – consists of IPT team members to ensure software- and system-level changes are feasible and incorporated.

2.2 High Level Requirements:

2.1.1 TIPS will provide the capability to produce Theater Planning Support Documents (TPSDs) in support of ST11.

2.1.2 TIPS will provide the capability to produce USSTRATCOM Global Strike Planning Support Documents (GSSDs) in support of ST11.

2.1.3 TIPS will provide the capability to produce Courses of Action (COA) from the source documents (TPSDs/GSSDs) in support of ST11.

2.1.4 TIPS will provide reachback capability for deployed team members as part of the Strategic Support Team (SST- formerly Theater Planning Response Cells (TPRCs)).

3.0 Objectives/Justification. This TDD is to be used as a guideline for services to future and ongoing development and system support efforts. TIPS, as part of ISPAN, will be managed as a WBS project within the overall Program effort. It is desired to merge TIPS work into the overall contract effort where and when beneficial to the government to achieve Program objectives and cost efficiencies. But, TIPS must also be managed to provide the Mission Area

users visibility into their unique capabilities and project, which is Global Strike today, evolving into the other USSTRATCOM Mission Areas beginning in FY05.

3.1 References

3.1.1 Requirements Tracking Matrix (RTM) database
3.1.2 Software Incident Report (SIR) database
3.1.3 Theater Control Group (TCG)
3.1.4 ACTD Management Plan, July 2002
3.1.5 ACTD Implementation Plan, January 2001

4.0 Specific Tasks.

4.1 Software Engineering and System Integration. The main focus of the software developer team is to deliver software that satisfies the requirements outlined in the Requirements Tracking Matrix (RTM) database (government provided). The software development contractor shall accomplish this by developing, maintaining, and integrating the following Computer Software Components (CSCs) that compose the TIPS software system:

4.1.1 Enhanced Document Generation Engine (EDGE) – The EDGE module provides document production capabilities for TIPS target folders.
4.1.2 Target Request Information Management (TRIM) – The TRIM module provides a browser interface to theater target functions. TRIM includes the following functions:
4.1.2.1 File services to handle file creation, deletion, copying, etc.
4.1.2.2 Alert services to handle notifications and e-mails.
4.1.2.3 Workflow management to track the progress of target requests.
4.1.2.4 Help functions to provide for on-line, context-sensitive assistance and tutorials.
4.1.2.5 Target activity monitoring to interface with workflow management for viewing status of target requests.
4.1.2.6 Common Web browser links on many pages to navigate to home page, log off TIPS, generate e-mail, etc.
4.1.2.7 Common database modules to provide a standard data access method to the EDB.

4.2 Maintenance Activity Tasks. The following is a list of the maintenance activities to be performed by the software developer. The software developer:

4.2.1 Performs functional integration and test of the TIPS CSCs and shall provide support for TIPS system-wide integration and test activities.
4.2.2 Maintains the TIPS software system and development utilities and tools required to fully support the TIPS CSCs previously listed.
4.2.3 Includes, in the maintenance process, provisions to maintain reusability features of the above listed CSCs.
4.2.4 Ensures TIPS software delivery schedule facilitates actual use of the software within the planning process.

4.2.5 Maintains the TIPS software system by performing routine adaptive, corrective, and perfective maintenance.

4.2.6 Provides one-on-one training or classroom training of delivered TIPS software, and provide support for system-wide TIPS training.

4.2.7 Present all potential maintenance needs and activities to the Theater Control Group for prioritization.

4.2.8 Proposes recommended software delivery schedules that meet USSTRATCOM requirements, for approval of the IPT.

4.3 Corrective maintenance.

4.3.1 Provides ongoing corrective software engineering to eliminate program deficiencies and errors uncovered by program users, testers, or developers.

4.3.2 Provides technical assistance in troubleshooting existing programs.

4.4 Adaptive maintenance.

4.4.1 Adapts TIPS CSCs to support the Global Strike Division/Theater Planning support operations and other mission areas as their concepts for TIPS utilization evolve and mature.

4.4.2 Ongoing adaptive maintenance consists of the following activities:

4.4.2.1 EDB, to include New Look, modifications and integration

4.4.2.2 External interface incorporation and maintenance

4.4.2.3 Theater guidance incorporation

4.4.2.4 Provision of functional enhancements

4.5 Perfective maintenance.

4.5.1 Provides ongoing perfective software engineering to optimize the functionality of existing software as directed by the TCG to meet program users' needs.

4.5.2 The perfective maintenance shall also include 'ease of use' enhancements.

4.6 New Functionality. The software developer provides the following major enhancements, which are outside the normal maintenance activities, to the TIPS program. These items will be documented in RTM, and will be accomplished by a government priority. Functional enhancements may include:

4.6.1 Support system refinement for conventional and nuclear 'platforms'.

4.6.2 Integrate, where possible, collaboration.

4.6.3 Integrate, where beneficial, the ability to interface with Theater Battle Management Core Systems (TBMCS).

4.6.4 Incorporate any other new mission requirements that may be needed to support Global Strike and the other TRD evolving missions.

4.6.5 Incorporate more import capabilities from the Intel and Analysis functions.

4.6.6 Incorporate Conventional Air Launch Cruise Missile (CALCM) mission information.

4.7 IPT Support. The software developer participates in the Global Strike/Theater IPT and TCG meetings. These meetings are the primary means by which TIPS planning issues are managed, addressed, and resolved. The software developer should be prepared to discuss issues relating to planning functions, schedule changes, potential program modifications, risks, and coordination with other government agencies.

4.8 Software Requirements Analysis. The software developer develops and delivers software requirements. This is accomplished prior to the beginning of each new software version coding effort.

4.9 Optional tasks. The following is a list of optional tasks to be performed by the software developer during the performance period of this contract:

4.9.1 Develop TIPS as a more server-centric application—enhance a "thinner" client.

4.9.2 Incorporate any changes needed to install/uninstall within the enterprise environment (i.e. via Altiris).

4.10 Performance period. The initial performance periods for each of the extant products begins 1 October, 2004. This is a delayed start, thereby making the extant product CLIN a contract option. The period of performance for each option year will end 31 January, with the following optional period of performance beginning 1 February, throughout the life of the contract.

4.11 Product deliverables.

4.11.1 Documentation. The software developer develops and delivers documentation in accordance with the contract Exhibit A, Contract Deliverables Requirements List (CDRL). Those items not included in Exhibit A may be provided in a contractor format acceptable to the government. The software developer may suggest, to the government, the tailoring (or elimination) of any document, or the use of CDRL A019 in place of the equivalent Exhibit A CDRL. Such recommendations shall occur in coordination with the GSD/Theater IPT or TCG, coordinated through the Systems IPT. Recommended actions, as agreed upon by the CL15 Program Management Office, the IPT, and the Contractor, shall be implemented. The CDRL items required for the TIPS software subsystem are listed below. Each shall be delivered separately from the program CDRL, until such time as the contractor proposes, and the government agrees, to incorporate them into equivalent program (framework function) CDRLs.

4.11.1.1 Software Design Description (SDD)

4.11.1.2 Software Requirement Specification (SRS)

4.11.1.3 Software Test Plan (STP)
4.11.1.4 Software Test Report (STR)
4.11.1.5 Software Version Description (SVD)
4.11.1.6 Software User Manual (SUM)
4.11.1.7 Training Materials

4.11.2 Software. The software developer shall deliver the application software as identified in section 5.0 of this TDD. The following items shall be delivered IAW Exhibit A, CDRL A018. The TIPS data shall be delivered separately, until such time as the contractor proposes, and the government agrees, to incorporate them into equivalent program (framework function) CDRLs.

4.11.2.1 Executables
4.11.2.2 Source code
4.11.2.3 Windows
4.11.2.4 On-line help files
4.11.2.5 Data

4.11.3 Reviews. The software developer shall accomplish the following reviews during the development cycle for each product. These reviews will include representatives from the developer team, the Program Management, Functional Management and end users. Review names are descriptive; the equivalent from the contractor's integrated processes may be substituted.

4.11.3.1 System Requirements Review (SRR)
4.11.3.2 System Design Review (SDR)
4.11.3.3 Requirements Joint Technical Review (JTR)
4.11.3.4 Preliminary Design Review (PDR)
4.11.3.5 Critical Design Review (CDR)
4.11.3.6 Design JTR
4.11.3.7 Test Readiness Review (TRR)
4.11.3.8 Production Readiness Review (PRR)

4.11.4 Earned Value Management System (EVMS). The software developer shall, on a monthly basis, deliver TIPS-specific EVMS data to the CL15 Program Management Office. That data should be incorporated into the program CDRL A013, unless the contractor can provide a best-value rationale for providing it separately. The data includes, at minimum:

4.11.4.1 Budgeted Cost of Work Scheduled (BCWS)
4.11.4.2 Budgeted Cost of Work Performed (BCWP)
4.11.4.3 Actual Cost of Work Performed (ACWP)
4.11.4.4 Budget at Completion (BAC)

4.12 Program events and milestones. Schedule milestones shall be provided in the program IMP/IMS. The contractor may also incorporate them as separate deliverable items. Schedule details will be worked with CL15 Program Office following the SDIP process, which may be tailored for this project. TIPS is dependent on the Enterprise Data

Base (EDB) business process which currently provides production deliveries approximately twice a year (June/Dec). TIPS will have at minimum two deliveries each year to coincide with the EDB. An integrated baseline review schedule that includes the tasks and milestones to support all specified deliverables should be included. Dependencies, resources, should be identified as well as the critical path.

5.0 Manpower/resources estimates. The TIPS project has historically utilized approximately 10 FTE to provide the functionality described in the RTM, with a ramp-down to approximately 7 FTE expected as development completed. The historical and projected funding for this project is as outlined in Table 5.1, provided for informational purposes only. (Note the conclusion of ACTD development in FY2004 and a stabilized funding stream with a real decrease over the life of the contract in FY2005 and beyond. This decrease is expected to result from total life cycle cost efficiencies.)

Table 5.1

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
3.535	3.913	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462

6.0 Critical dependencies. TIPS is dependent on the EDB and a web server (currently provided using Oracle 9iAS).

7.0 Risks. TIPS includes a large collection of COTS/GOTS products. Changes to/obsolescence of these products may drive changes to the TIPS architecture. The TIPS project has previously mitigated this risk by utilizing an open design. A risk management plan, which may be incorporated into program CDRL A006, should provide real time access to the contractor's risk items, their status, mitigation strategies, OPRs, and related information.

STRATEGIC WARNING EXECUTION ANALYSIS REPLANNING SYSTEM (SWEARS) TECHNICAL DIRECTION DOCUMENT

1.0 Purpose. The purpose of the Strategic Warning Execution Analysis Replanning System (SWEARS) Technical Direction Document (TDD) is to provide direction for the ongoing SWEARS software operations and sustainment effort.

2.0 Requirements. The software maintenance contractor shall provide, during the period of performance of this contract, the system engineering and support services as specified in this TDD for daily operations and software maintenance of the SWEARS.

3.0 Objectives/Justification. The SWEARS requires a software maintenance contractor to perform the specific tasks identified in this TDD to meet the operational requirements as identified in the SWEARS Operational Requirements Document (ORD). SWEARS will be managed as a separate WBS project, under a separate CLIN, within the overall Program effort. In addition to the references listed below, the SWEARS project may receive direction affecting required capabilities through the Joint Strategic Capabilities Plan (JSCP), CJCSI 3110.04A (Nuclear Supplement to JSCP), Emergency Action Procedures (EAP)-CJCS Vols IR, VII, & VIII, the C2 Modernization ORD, and the NPES (SWEARS) ORD, none of which are releasable to the contractor.

3.1 References.

3.1.1 Nuclear Planning and Execution System (NPES) Required Operational Capability (ROC)
3.1.2 National Security Decision Directive (NSDD) 281
3.1.1 USSTRATCOM Technical Profile (STP)
3.1.2 ISPAN Production Schedule
3.1.3 Testing and Evaluation Master Plan (TEMP)
3.1.4 System Engineering Master Plan (SEMP)

4.0 Specific tasks.

4.1 SWEARS maintenance tasks. The software contractor shall perform the following maintenance work efforts:

4.1.1 Maintain utilities and tools required to support the current SWEARS suite of software.
4.1.2 Provide provisions to maintain reusability features.
4.1.3 Perform routine corrective, adaptive, and perfective maintenance on the SWEARS family of products to include the SIOP Data Loader, Nudet Detection System (NDS), and Spooler.

4.2 Corrective maintenance tasks. The software contractor shall provide corrective software engineering support that includes the following work efforts:

4.2.1 Eliminate program deficiencies and errors uncovered by program users, testers, or developers.
4.2.2 Provide technical assistance in troubleshooting existing programs.

4.3 Adaptive maintenance tasks. The software contractor shall perform the following adaptive maintenance work efforts:

4.3.1 Provide adaptation support for adapting the SWEARS Computer Software Configuration Items (CSCIs) to support the SWEARS Battlestaff in day-to-day operations and overarching requirements directives (e.g., Operational Requirements, CJCSI, etc.).
4.3.2 Perform ongoing adaptive maintenance support consisting of the following activities:
4.3.3 SWEARS database integration and sustainment maintenance.
4.3.4 Existing external interface maintenance and enhancements.
4.3.5 Implementation of minor functional enhancements.
4.3.6 Adoption of new technologies as appropriate.
4.3.7 Support the server and client operating system/applications as appropriate.

4.4 Perfective maintenance activities. The software contractor shall provide ongoing perfective software engineering to optimize the functionality of existing SWEARS software as directed by the SWEARS IPT, coordinated, as necessary, with the Systems IPT, to meet program users' needs. The perfective maintenance shall also include "ease of use" enhancements.

4.5 SWEARS software update tasks. The software contractor shall perform the following SWEARS software update tasks in accordance with the SWEARS IPT directions:

4.5.1 Incorporate planning guidance updates to support SIOP production.
4.5.2 Modify SWEARS functions on an annual basis to incorporate new planning guidance capabilities into the system.
4.5.3 Incorporate operator change requests and deficiencies into a minimum of 2 software releases per year for SWEARS and NSDL and not more than 1 release per year for Spooler, NDS, and Communications Simulator.
4.5.4 Support the installation and maintenance of emergency software releases as required.
4.5.5 Monitor progress on the functional evolution, planning methodology advancements, and system performance in the planning environment; and make recommendations to the SWEARS IPT to enhance SWEARS adaptability. Recommendations of this type will include:
4.5.5.1 Minor Electronic Database (EDB)access methodology updates.
4.5.5.2 Algorithm design and implementation updates.
4.5.5.3 System utilities and tools.
4.5.6 Integrate GOTS and COTS products in the existing system baseline when available and applicable in lieu of developing and maintaining SWEARS unique software.
4.5.7 Integrate ISPAN adaptive planning tools.

4.6 SWEARS interface tasks. The contractor shall manage, integrate, and ensure interoperability with all required external interfaces. These interfaces currently include Missile Graphics Planning System (MGPS), Probability of Damage Calculator (PDCALC), and Submarine Launched Ballistic Missile (SLBM) worksheet applications. The evolution of these products shall be monitored by the software development and maintenance contractor and SWEARS upgrades shall be implemented and coordinated in accordance with the directions provided by the SWEARS IPT.

4.7 Software release maintenance task. The software contractor shall provide configuration management support in managing the master library of software versions and releases, to include the associated documentation. Software accounting and control shall encompass migration tools, as well as incremental versions and releases of the operational and development SWEARS baselines. The contractor shall prepare the required software installation media and installation instructions. In addition, the contractor shall package and ship the software media and installation instructions IAW applicable government instructions, directives, and regulations.

4.8 Other maintenance and management support tasks. The software contractor shall maintain the SWEARS maintenance environment and will provide NPES, NSDL, CSP Spooler, and NDS gateway system management support as directed by the SWEARS IPT.

4.9 System security accreditation support. The contractor shall update, maintain, and deliver the required IAVA patches to all NPES sites. The contractor shall provide necessary documentation for the SSAA.

4.10 Network centric implementation support tasks. The software maintenance contractor shall provide support to the SWEARS IPT on network centric environment implementation analysis/investigation, planning, and applicable implementation support.

4.11 Performance Period. The contractors shall perform the specified tasks and generate the deliverable products during the performance period as identified in the SWEARS contract.

4.12 Product Deliveries.

4.12.1 Documentation. The software developer develops and delivers documentation in accordance with the contract Exhibit A, Contract Deliverables Requirements List (CDRL). Those items not included in Exhibit A may be provided in a contractor format acceptable to the government. The software developer may suggest, to the government, the tailoring (or elimination) of any document, or the use of CDRL A019 in place of the equivalent Exhibit A CDRL. Such recommendations shall occur in coordination with the SWEARS IPT, coordinated through the Systems IPT. Recommended actions, as agreed upon by the CL15

Program Management Office, the SWEARS IPT Functional Manager, the SWEARS IPT PM, and the software contractor, shall be implemented. The CDRL items required for the SWEARS software subsystem are listed below. Each shall be delivered separately from the program CDRL, until such time as the contractor proposes, and the government agrees, to incorporate them into equivalent program (framework function) CDRLs.

4.12.1.1 System/Subsystem Specification (SSS)
4.12.1.2 Software Requirements Specification (SRS)
4.12.1.3 Software Test Plan (STP)
4.12.1.4 Software Test Description (STD)
4.12.1.5 Software Test Report (STR)
4.12.1.6 Software Version Description (SVD)
4.12.1.7 Software User Manual (SUM)
4.12.1.8 On-line Help
4.12.1.9 Trusted Facility Manual (TFM)
4.12.1.10 Software Quality Metrics
4.12.1.11 IPT and FM Working Group (FMWG) meeting minutes and reports
4.12.1.12 Studies, briefings, and reports, as required.

4.12.2 Software. The software contractor shall develop and deliver the incremental versions and releases of the operational and development software baselines for NPES, Spooler, NDS, and NSDL as directed by the SWEARS IPT and the approved software requirements specifications. The delivered software shall be tested in accordance with the test documentation identified in paragraph 6.1. This shall include but not be limited to:

4.12.2.1 Executables
4.12.2.2 Source code
4.12.2.3 Utilities

4.13 Program events and milestones. The software contract shall deliver the following products in accordance with the schedule:

4.13.1 SWEARS - March and September software and documentation delivery.
4.13.2 NSDL - March and September software and documentation delivery.
4.13.3 NDS - One release per year, to include documentation, determined by the IPT.
4.13.4 Spooler - Not more than one release per year determined by the IPT.

5.0 Manpower/resources estimates.

5.1 The following are the manpower estimates for the work efforts to support this effort:
5.1.1 Estimated 28 man-years of effort per year for the maintenance effort.
5.1.2 Estimated 8 man-years of effort per year for re-engineering and other task efforts.

5.2 SWEARS maintenance tasks manpower/resources estimates.

5.2.1 Corrective maintenance tasks manpower/resources estimates: 10 man years of effort per year.

5.2.2 Adaptive maintenance tasks manpower/resources estimates: 10 man years of effort per year

5.2.3 Perfective maintenance tasks manpower/resources estimates: 8 man-years of effort per year

5.3 SWEARS software tasks manpower/resources estimates. These estimates are included in the corrective, adaptive, and perfective maintenance estimates.

5.4 SWEARS interface tasks manpower/resources estimates**.** These estimates are included in the corrective, adaptive, and perfective maintenance estimates.

5.5 Software release maintenance task manpower/resources estimates: 2 man-year of effort per year.

5.6 Other maintenance and management support tasks manpower/resources estimates: 2 man-year of effort per year.

5.7 Network centric implementation support tasks manpower/resources estimates: 4 man-years of effort per year.

5.8 The historical and projected funding for this project is as outlined in Table 5.1, provided for informational purposes only.

Table 5.1

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
2.289	2.294	5.012	4.991	5.237	5.007	3.078	3.268	3.977	4.086	3.705	3.895

6.0 Critical dependencies. The following is a list of critical software dependencies for this work effort:

6.1 Hazardous Prediction and Assessment Capability (HPAC) software from the Defense Threat Reduction Agency (DTRA).
6.2 MGPS software from ISPAN legacy contractor.
6.3 Overall ISPAN adaptive planning integration.

7.0 Risks. A risk management plan, which may be incorporated into program CDRL A006, should provide real time access to the contractor's risk items, their status, mitigation strategies, OPR's, and related information.

See separate file on http://eda.ogden.disa.mil

or https://www.nafi.navy.mil for Attachment 12

version 1.12

SAMPLE QUESTIONNAIRE COVER LETTER

Corporate LETTERHEAD(Date)
FOR OFFICIAL USE ONLY

The Electronic Systems Center/NDK of Air Force Materiel Command (AFMC) is in the process of selecting a contractor to support USSTRATCOM Planning and Analysis Modernization requirements. This USSTRATCOM requirement (Solicitation: FA8722-04-R0003) supports the Integrated Strategic Planning and Analysis Network (ISPAN).

One of the considerations in proposal evaluation is the verification of the offerors' past and present performance on contracts that reflect the offeror's ability to perform on the proposed effort. We depend on information received from agencies such as yours, which have had first hand experience with an offeror, for the evaluation of the offeror's performance on those contracts.

Areas of interest of the Government are summarized in the enclosed questionnaire. As discussed in our initial phone contact with your office, the Electronic Systems Center/NDK schedule is extremely tight and we need your written response no later than 10 calendar days after your receipt of this letter. This schedule will allow Electronic Systems Center/NDK sufficient time to analyze the data prior to the start of evaluations.

To assist you in preparing your response and expediting your reply, the questionnaire may be filled out by hand and "faxed" to (Attention: Mr. Joe Zimmerman or 1Lt James Hammond).

Please call 1Lt James Hammond at (781) 377-3810 prior to transmission or if you have any questions. Your completed questionnaire will become a part of the official Source Selection records.

Your help is greatly appreciated and your prompt response will be one of the keys to the successful and timely completion of this Source Selection.

_____
Signature

Attachment: Questionnaire

version 1.12

PAST PERFORMANCE QUESTIONNAIRE

WHEN FILLED IN THIS DOCUMENT IS SOURCE SELECTION SENSITIVE INFORMATION IAW FAR 3.104

SECTION 1: CONTRACT IDENTIFICATION

Contractor: _____

Cage Code of contractor contract was awarded to: _____

Contract number: _____

Contract type: _____

Was this a competitive contract? Yes _____ No _____

Period of performance: _____

Initial contract cost: $_____

Current/final contract cost: $_____

Reasons for differences between initial contract cost and final contract costs:
_____
_____
_____
_____

Description of service provided: _____
_____
_____
_____
_____
_____

SECTION 2: CUSTOMER OR AGENCY IDENTIFICATION

Customer or agency name:
_____

Customer or agency description (if applicable):
_____

Geographic description of services under this contract, i.e. local, nationwide, worldwide, other Commands:
_____
_____

SECTION 3: EVALUATOR IDENTIFICATION

Evaluator's name:
_____

Evaluator's title:
_____

Evaluator's phone/fax number: _____

Number of years evaluator worked on subject contract: _____

SECTION 4: EVALUATION

Please indicate your satisfaction with the contractor's performance by placing an "X" in the appropriate block using the scale provided to the right of each question. This scale is defined as follows:

CODE	PERFORMANCE LEVEL
B	BLUE/EXCEPTIONAL - The contractor's performance meets contractual requirements and exceeds many (requirements) to the Government's benefit. The contractual performance was accomplished with few minor problems for which corrective actions taken by the contractor were highly effective.
P	PURPLE/VERY GOOD- The contractor's performance meets contractual requirements and exceeds some (requirements) to the Government's benefit. The contractual performance was accomplished with some minor problems for which corrective actions taken by the contractor were effective.
G	GREEN/SATISFACTORY – The contractor's performance meets contractual requirements. The contractual performance contained some minor problems for which corrective actions taken by the contractor appear or were satisfactory.
Y	YELLOW/MARGINAL – Performance does not meet some contractual requirements. The contractual performance reflects a serious problem for which the contractor has not yet identified corrective actions or the contractor's proposed actions appear only marginally effective or were not fully implemented.
R	RED/UNSATISFACTORY – Performance does not meet most contractual requirements and recovery is not likely in a timely manner. The contractual performance contains serious problem(s) for which the contractor's corrective actions appear or were ineffective.
N	NOT APPLICABLE - Unable to provide a score.

Architecture	B	P	G	Y	R	N
1. The program involved development of architectures that were built on open standards, avoiding proprietary or single-source solutions. 2. The program involved development of architectures that were flexible, scaleable, and extensible to incorporate new requirements as the program progressed. 3. The program architecture required accommodating evolving technologies (e.g. XML, distributed collaboration, guard technologies, data distribution). 4. Program required the design and development of systems incorporating multiple security levels and/or multi-level security processes, equipment, and practices. 5. The program's software architecture and its associated processes included optimization functions 6. The program's software architecture and its associated processes included executive/workflow functions. 7. The program's software architecture and its associated processes included decision support functions, or provided data/information to decision support functions. 8. The program's software architecture and its associated processes included effects based planning functions. 9. The program's software architecture and its associated processes included measure of effectiveness ruleset management.						

Integrated Processes	B	P	G	Y	R	N
9. The program's software architecture and its associated processes included measure of effectiveness ruleset management. 10. The program utilized evolutionary acquisition principles. 11. The program required Earned Value Management/Cost as an Independent Variable (CAIV) processes and tools. 12. The software development process supported management of multiple, interdependent software configuration baselines. 13. The program required teaming with Government, associate contractors, prime contractors, or subcontractors. The teaming approach required use of tools and procedures, allowing transfer and use of management and technical information between the various organizations. 14. The program required a subcontracting goal to small/disadvantaged business (SB/SDB), historically black colleges or universities (HBCU)s, and minority institutions (MI) which: a. was greater than 20%, **or** b. was greater than 10% and included either enforceable provisions or separate goals for the complexity and variety of work to be performed by SB/SDB/HBCU/MI. 15. The program required some personnel/access at the Top Secret/SIOP/ESI access **or** Top Secret/SCI **or** Top Secret/SAR levels. 16. The program required USSTRATCOM Domain Knowledge, Joint Domain Knowledge, or DoD Domain Knowledge in the OSD warfighter domain, C2.						

Cost Performance	B	P	G	Y	R	N
C1. Accuracy in forecasting contract costs						
C2. Ability to meet forecasted costs and perform within contract costs						
C3. Ability to alert Government of unforeseen costs before they occur						
C4. Sufficiency and timeliness of cost reporting						

2. Please discuss each and every response for which you indicated **B/E (Blue/Exceptional)**, **Y/M (Yellow/Marginal)** or **R/U (Red/Unsatisfactory)** in response to the questions above (use additional sheets, if necessary).

_____

3. Government Contracts Only: Has/was this contract been partially or completely terminated for default or convenience or are there any pending terminations?

Yes___ Default___ Convenience___ Pending Terminations___
No ___

If yes, please explain (e.g., inability to meet cost, performance, or delivery schedules, etc.)

_____
_____
_____

SECTION 5: NARRATIVE SUMMARY

What were the contractor's greatest strengths in the performance of the contract?

_____
_____
_____

What were the contractor's greatest weaknesses in the performance of the contract?

_____
_____
_____
_____

Would you have any reservations about soliciting this contractor in the future or having them perform one of your critical and demanding programs?

_____
_____
_____

Please provide any additional comments concerning this contractor's performance, as desired.

_____
_____
_____
_____

Evaluator's Signature Date

Thank you for your prompt response and assistance!

version 1.12

Please return this completed questionnaire to:

Mailing Address:

Electronic Systems Center/NDK
ATTN: Mr. Rick Andreoli – ISPAN A&I Source Selection
9 Eglin Avenue
Hanscom AFB MA 01731

Or FAX to: ATTN: Mr. Joe Zimmerman or 1LT James Hammond

Call (781) 377-3810 before FAXing their response

version 1.12

PAST PERFORMANCE INFORMATION SHEET

1. Provide the name, address, DUNS Number, and CAGE code of the Company to whom the contract was awarded.
2. Provide the name and address of the Contracting Agency / Business which awarded the contract
3. Contract Number
4. Contract Type
5. Total dollar value awarded including all options
6. Value During Last Complete Government Fiscal Year
7. Date of Contract Award
8. Contract Completion Date (including extensions)
9. Place of Performance
10. Describe contract services including any technical (or other) area about this contract / program considered unique.
11. Contracting Officer / Responsible Procurement Official (include name, E-Mail, Telephone (DSN, Commercial, and FAX), and Address)
12. Program Manager (include name, E-Mail, Telephone (DSN, Commercial, and FAX), and Address)
13. For each of the applicable sub-factors under the Technical Capability factor in "Evaluation Factors for Award", illustrate how your experience on this program applies to that sub-factor.
14. Describe the nature or portion of the work on the proposed effort to be performed by the business entity being reported here. Also, estimate the percentage of the total proposed effort to be performed by this entity if possible, and whether this entity will be performing as the prime/team partners, or a corporate division related to the prime (define relationship).
15. Identify problems encountered and efforts taken to resolve problems as well as efforts to identify and manage program risk.
16. Additional Comments

ATTACHMENT 8
Past Performance Questionnaire Tracking Record
(TO BE ACCOMPLISHED BY OFFEROR)

RFP FA8722-04-R-0003

OFFEROR'S REFERENCES COMPANY AGENCY NAME:

REFERENCE ADDRESS:

REFERENCE CONTRACT NUMBER/PROGRAM NAME:

Date Of Action	Type of Action (e.g. Sent Questionnaire)	Person Contacted/ Phone	Position Of Person Contacted	Offeror Contact	Status Of Questionnaire

SAMPLE CONSENT LETTER
(Done on Corporate Letterhead)
FOR OFFICIAL USE ONLY

Dear Mr. Andreoli,

We are currently participating as a (subcontracting/teaming partner) with (prime contractor or name of entity providing proposal) in response to the Electronic Systems Center/NDK, Department of the Air Force, Hanscom Air Force Base Request for Proposal FA8722-04-R-0003 for the USSTRATCOM Planning and Analysis Modernization Contract.

We understand the Government is placing increased emphasis on past performance in order to obtain best value in source selections. In order to facilitate the performance confidence assessment process, we are signing this consent form to allow you to discuss our past performance information with the prime contractor during the source selection process.

_____
(Name of individual who has the authority to sign for and legally bind the company)

_____
(Title of individual)

Company Name:

Address:

ISPAN Security Classification Guide Document Pick-up Instructions

The ISPAN DD Form 254 references several security classification guides to which the Contractor must adhere. There is no guide titled "ISPAN," nor "SWPS." The guide for the ISPAN system itself is the Strategic Target Planning Security Classification Guide, dated 1 Mar 03. This document is classified, but will be made available using the same procedures as those for the ISPAN A&I Technical Requirements Document (TRD).

To gain access to the LeMay building, corporate security offices must fax a Visit Authorization letter request as specified in DoD 5220.22M, National Industrial Security Program Operating Manual (NISPOM) to the USSTRATCOM COMSEC and Personnel Security Section (FAX 402-204294-5257) and the ISPAN Program Office (FAX 402-294-4869). Visit requests must arrive 3 business days prior to the time of the scheduled visit. This lead-time is required to conduct security checks and verifications necessary to allow access to Offutt Air Force Base. Offerors without a visit request on file at USSTRATCOM should file such a request as soon as possible in order to ensure their access to the TRD is not delayed. Corporate security offices should call (402-294-0592) to confirm receipt of the visit authorization request. The letter should include a list of all individuals from the company who potentially would pick up classified documents, their social security numbers, security clearance (Security clearance of SECRET is required for each person), date and place of birth.

Directions to the LeMay building are as follows: enter the Kenney (north) gate of Offutt AFB and stop at the Visitor Control Center to obtain a temporary contractor ID for unescorted entry to Offutt AFB. This action could take some time due to other security requirements of higher priority. Plan your arrival accordingly. After the visitor's center, turn right at SAC Boulevard and follow it around the flight line (you will pass the BX and commissary on the right). The LeMay building will be on the left with white missiles in front. Parking is available in the Officer's Club parking lot across the street. Individuals should proceed to the USSTRATCOM visitor center (building 591) located on the north side of the LeMay building. A telephone is available in the visitor's center to contact Mr. Russ Zink at 294-0167 to arrange an escort.

All visitors are required to sign in/out of HQ USSTRATCOM on each visit. Visitors must be escorted at all times. Visitors will not be allowed to bring computers, hard drives, cell phones, or personal data assistants into the LeMay building. Due to the sensitivity of these documents, visitors will ensure that these documents are handled using appropriate DoD security procedures in DoD 5200.1R. Visitors shall be expected to abide by all other general rules while in the LeMay building and will be briefed at the beginning of the appointment.

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

52.222-38	COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS (DEC 2001)
52.225-02	BUY AMERICAN ACT CERTIFICATE (JUN 2003)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

252.209-7001	DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY (MAR 1998)
252.225-7003	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES (APR 2003)

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS IN FULL TEXT

52.203-02 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)

(a) The offeror certifies that--

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to (i) those prices, (ii) the intention to submit an offer, or (iii) the methods or factors used to calculate the prices offered;

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory--

(1) Is the person in the offeror's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision ___ (insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) of this provision have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through)a)(3) of this provision; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; and

(c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

52.203-11 CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (DEVIATION) (APR 1991)

(Applicable only to this instant procurement, not to 'any' contract, and only if proposal or resultant contract is in excess of $100,000).

(a) The definitions and prohibitions contained in the clause, at FAR 52.203-12, Limitation on Payments to Influence Certain Federal Transactions, included in this solicitation, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The offeror, by signing its offer, hereby certifies to the best of his or her knowledge and belief that on or after December 23, 1989--

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the offeror shall complete and submit, with its offer, OMB standard form LLL, Disclosure of Lobbying Activities, to the Contracting Officer; and

(3) He or she will include the language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of $100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than $10,000, and not more than $100,000, for each such failure.

52.204-03 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

[ ] TIN:.----------

[ ]TIN has been applied for.

[ ] TIN is not required because:

[ ]Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying
agent in the United States;

[ ] Offeror is an agency or instrumentality of a foreign government;

[ ] Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

[ ] Sole proprietorship;

[ ] Partnership;

[ ] Corporate entity (not tax-exempt);

[ ] Corporate entity (tax-exempt);

[ ] Government entity (Federal, State, or local);

[ ] Foreign government;

[ ] International organization per 26 CFR 1.6049-4;

[ ] Other----------

(f) Common parent.

[ ] Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

[ ] Name and TIN of common parent:

Name----------

TIN----------

52.204-05 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (MAY 1999)

(a) Definition. "Women-owned business concern," as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. (Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representation, of this solicitation.) The offeror represents that it [ ] is, [ ] is not a women-owned business concern.

52.209-05 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)

(1) The Offeror certifies, to the best of its knowledge and belief, that --

(i) The Offeror and/or any of its Principals --

(A) Are [ ] are not [ ] presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have [ ] have not [ ], within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are [ ] are not [ ] presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.

(ii) The offeror has [ ] has not [ ] within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous

certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

52.215-06 PLACE OF PERFORMANCE (OCT 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, [ ] intends, [ ] does not intend [check applicable block] to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

Place of performance (street address, city, state, county, zip code)	Name and Address of Owner and Operator of the Plant or Facility if Other Than Offeror or Respondent
___	

52.219-01 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002) - ALTERNATE I (APR 2002)

(a)

(1) The North American Industry Classification System (NAICS) code for this acquisition is 333912.

(2) The small business size standard is _____ (insert size standard).

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations.

(1) The offeror represents as part of its offer that it [ ] is, [ ] is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it [ ] is, [ ] is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it [ ] is, [ ] is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it [ ] is, [ ] is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it [ ] is, [ ] is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It [ ] is, [ ] is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It [ ] is, [ ] is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate of the HUBZone small business concern or concerns that are participating in the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: .] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) Definitions. As used in this provision--

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

"Veteran-owned small business concern" means a small business concern-

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall --

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

Alternate I (Apr 2002). As prescribed in 19.307(a)(2), add the following paragraph (b)(7) to the basic provision:

(7) [Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.] The offeror shall check the category in which its ownership falls:

___ Black American.

___ Hispanic American.

___ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

___ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

___ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

___ Individual/concern, other than one of the preceding.

52.219-22 SMALL DISADVANTAGED BUSINESS STATUS (OCT 1999)

(a) General. This provision is used to assess an offeror's small disadvantaged business status for the purpose of obtaining a benefit on this solicitation. Status as a small business and status as a small disadvantaged business for general statistical purposes is covered by the provision at FAR 52.219-1, Small Business Program Representation.

(b) Representations.

(1) General. The offeror represents, as part of its offer, that it is a small business under the size standard applicable to this acquisition; and either-

___(i) It has received certification by the Small Business Administration as a small disadvantaged business concern consistent with 13 CFR 124, Subpart B; and

(A) No material change in disadvantaged ownership and control has occurred since its certification; and

(B) Where the concern is owned by one or more disadvantaged individuals, the net worth of each individual upon whom the certification is based does not exceed $750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(C) It is identified, on the date of its representation, as a certified small disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net); or

___(ii) It has submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.

(2) __ For Joint Ventures. The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements at 13 CFR 124.1002(f) and that the representation in paragraph (b)(1) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. [The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture: _____.]

(c) Penalties and Remedies. Anyone who misrepresents any aspects of the disadvantaged status of a concern for the purposes of securing a contract or subcontract shall:

(1) Be punished by imposition of a fine, imprisonment, or both;

(2) Be subject to administrative remedies, including suspension and debarment; and

(3) Be ineligible for participation in programs conducted under the authority of the Small Business Act.

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that--

(a) It [ ] has, [ ] has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) It [ ] has, [ ] has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) It [ ] has developed and has on file, [ ] has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) It [ ] has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

52.230-01 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION (JUN 2000)

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. DISCLOSURE STATEMENT--COST ACCOUNTING PRACTICES AND CERTIFICATION

(a) Any contract in excess of $500,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

CAUTION: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

[ ] (1) Certificate of Concurrent Submission of Disclosure Statement.

The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows: (i) original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable, and (ii) one copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____
Name and Address of Cognizant ACO or Federal Official Where Filed:
_____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

[ ] (2) Certificate of Previously Submitted Disclosure Statement.

The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____ Name and Address of Cognizant ACO or Federal Official Where Filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

[ ] (3) Certificate of Monetary Exemption.

The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling $50 million or more in the cost accounting period immediately preceding the period in which this proposal was

submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

[ ] (4) Certificate of Interim Exemption.

The offeror hereby certifies that (i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and (ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

CAUTION: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of $50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. COST ACCOUNTING STANDARDS--ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

[ ] The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than $50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of $50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of $50 million or more.

III. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

[ ] YES [ ] NO

B. DEFENSE FAR SUPP SOLICITATION PROVISIONS IN FULL TEXT

252.209-7002 DISCLOSURE OF OWNERSHIP OR CONTROL BY A FOREIGN GOVERNMENT (SEP 1994)

(a) Definitions. As used in this provision--

(1) "Effectively owned or controlled" means that a foreign government or any entity controlled by a foreign government has the power, either directly or indirectly, whether exercised or exercisable, to control the election, appointment, or tenure of the Offeror's officers or a majority of the Offeror's board of directors by any means, e.g., ownership, contract, or operation of law (or equivalent power for unincorporated organizations).

(2) "Entity controlled by a foreign government"--

(i) Means--

(A) Any domestic or foreign organization or corporation that is effectively owned or controlled by a foreign government; or

(B) Any individual acting on behalf of a foreign government.

(ii) Does not include an organization or corporation that is owned, but is not controlled, either directly or indirectly, by a foreign government if the ownership of that organization or corporation by that foreign government was effective before October 23, 1992.

(3) "Foreign government" includes the state and the government of any country (other than the United States and its possessions and trust territories) as well as any political subdivision, agency, or instrumentality thereof.

(4) "Proscribed information" means--

(i) Top Secret information;

(ii) Communications Security (COMSEC) information, except classified keys used to operate secure telephone units (STU IIIs);

(iii) Restricted Data as defined in the U.S. Atomic Energy Act of 1954, as amended;

(iv) Special Access Program (SAP) information; or

(v) Sensitive Compartmented Information (SCI).

(b) Prohibition on award. No contract under a national security program may be awarded to an entity controlled by a foreign government if that entity requires access to proscribed information to perform the contract, unless the Secretary of Defense or a designee has waived application of 10 U.S.C. 2536(a).

(c) Disclosure. The Offeror shall disclose any interest a foreign government has in the Offeror when that interest constitutes control by a foreign government as defined in this provision. If the Offeror is a subsidiary, it shall also disclose any reportable interest a foreign government has in any entity that owns or controls the subsidiary, including reportable interest concerning the Offeror's immediate parent, intermediate parents, and the ultimate parent. Use separate paper as needed, and provide the information in the following format:

Offeror's Point of Contact for Questions about Disclosure
(Name and Phone Number with Country Code, City Code
and Area Code, as applicable)

Name and Address of Offeror

Name and Address of Entity Controlled by a Foreign Government	Description of Interest, Ownership Percentage, and Identification of Foreign Government

252.227-7017 IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JUN 1995)

(a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--

(1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(b) The identification and assertion requirements in this provision apply only to technical data, including computer software documentation, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification and identification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

(c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.

(d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****

*For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such item, component, or process. For computer software or computer software documentation identify the software or documentation.

**Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

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

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

*****Enter "none" when all data or software will be submitted without restrictions.

Date _ _ _ _ _ _ _ _ _ _ _

Printed Name and Title _ _ _ _ _ _ _ _ _ _ _

Signature _ _ _ _ _ _ _ _ _ _ _

_ _ _ _ _ _ _ _ _ _ _

(End of identification and assertion)

(e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.

(f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term "supplies" is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it--

____ Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

____ Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

C. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS IN FULL TEXT

5352.215-9007 USE OF NON-GOVERNMENT ADVISORS (AFMC) (NOV 1998)

(a) Offerors are advised that technical and cost/price data submitted to the Government in response to this solicitation may be released to non-Government advisors for review and analysis. The non-Government advisor support will be provided by:

Name of firm(s)
MITRE Corporation
Tecolote
Modern Technology Corporation (MTC)
Peter Kewitt Institute (PKI)

(b) Offerors shall complete paragraph (b)(2) or provide written objection to disclosure as indicated in paragraph (b)(1). If the offeror objects to disclosure of a portion of the proposal, the consent in (b)(2) should be provided for the remainder of the proposal.

(1) Any objection to disclosure:

(i) Shall be provided in writing to the contracting officer within 10 days of RFP issuance; and

(ii) Shall include a detailed statement of the basis for the objection. The detailed statement shall identify the specific portions of the proposal the offeror objects to disclosure to non-Government advisors. (2) I understand technical and cost/price data submitted to the Government in response to this solicitation may be released to non-Government advisors. I consent to release of any (unless objection is provided in (b)(1) above) proprietary, confidential, or privileged commercial or financial data provided by the firm(s) named below in response to this solicitation, to non-Government advisors for review and analysis:

Firm:

Name (individual authorized to commit firm):

Title:

Date of Execution:

D. OTHER SOLICITATION PROVISIONS IN FULL TEXT

K001 JOINT VENTURE (MAY 1997)

In addition to the requirements of FAR 4.102, and to assure a single point of contact for resolution of contractual matters and payments under any resultant contract, each participant in a joint venture must complete and sign the certification hereunder. The completed certifications are to be provided with the offerors'/bidders' response to this solicitation.

The parties hereto expressly understand and agree as follows:

(a) ___ (name, title, company) is the principal representative of the joint venture. As such, all communications regarding the administration of the contract and the performance of the work thereunder may be directed to him or her. In the absence of ___ (same name, title, and company as above), ___ (name, title, and company of alternate) is the alternate principal representative of the joint venture.

(b) Direction, approvals, required notices, and all other communications from the Government to the joint venture, including transmittal of payments by the Government, must be directed to ___ (name, title and company of principal), principal representative of the joint venture.
(AF FAR Sup 5304.l02(d))

FIRM ___ FIRM ___

NAME ___ NAME ___

TITLE ___ TITLE ___

DATE OF EXECUTION ___ DATE OF EXECUTION ___

NOTE: If additional signatures are required, submit the above certification, in the identical format, as an attachment to your response to this solicitation and complete this block indicating the same [ ].

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

52.211-14	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990) Rated Order: 'DO'
52.215-20	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997) - ALTERNATE II (OCT 1997)
52.215-20	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997) - ALTERNATE III (OCT 1997) Alt III, Para (c) Submit the cost portion of the proposal via the following electronic media: 'Refer to Section L'
52.215-20	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997) - ALTERNATE IV (OCT 1997) Alt IV, Para (b), Insert description of the information and the format that are required: 'Refer Section L'
52.216-01	TYPE OF CONTRACT (APR 1984) Type of contract is 'Cost Plus Award Fee'
52.219-24	SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM--TARGETS (OCT 2000)
52.222-24	PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE EVALUATION (FEB 1999)
52.232-38	SUBMISSION OF ELECTRONIC FUNDS TRANSFER INFORMATION WITH OFFER (MAY 1999)
52.233-02	SERVICE OF PROTEST (AUG 1996) Para (a) Official or location is 'Mr. Joe Zimmerman ESC/NDK 11 Eglin St Hanscom AFB, MA 01731-2120'
52.237-01	SITE VISIT (APR 1984)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT (JUN 1995)
252.234-7000	NOTICE OF EARNED VALUE MANAGEMENT SYSTEM (MAR 1998)

C. AIR FORCE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

5352.215-9000	FACILITY CLEARANCE (MAY 1996)

D. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

5352.209-9003	POTENTIAL ORGANIZATIONAL CONFLICT OF INTEREST (AFMC) (JUL 1997) Para (a), Nature of the proposed conflict is '?????' Para (a)(1), nature of the proposed restraint and the applicable time period is '?????'
5352.227-9001	QUALIFICATION OF OFFEROR UNDER EXPORT - CONTROLLED RESTRICTED SOLICITATION (AFMC) (JUL 1997)

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS IN FULL TEXT

52.252-01 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es): http://farsite.hill.af.mil/

52.252-05 AUTHORIZED DEVIATIONS IN PROVISIONS (APR 1984)

(a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the provision.

(b) The use in this solicitation of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

B. OTHER SOLICITATION PROVISIONS IN FULL TEXT

ESC-L001 INFORMATION TO OFFERORS AND INSTRUCTION FOR PROPOSAL PREPARATION (MAR 2004)

Version 2.32

1.0 SUBMISSION OF COMPLETE PROPOSALS

Offerors are advised that their proposals are presumed to represent their best efforts and most complete response to the solicitation. Cursory responses or responses which merely reiterate the Statement of Objectives (SOO), Technical Description Documents (TDDs) or Technical Requirements Document (TRD) will be considered unacceptable. Assurance of experience, capability, and qualifications, which clearly demonstrate and support the offeror's claims, is essential.

2.0 GENERAL INSTRUCTIONS

2.1 Compliance With Instructions

Offerors shall comply with all instructions provided in this Request for Proposal (RFP).

2.1.1 Guidance

This section of the information to offerors provides general guidance for preparing proposals as well as specific instructions on the format and content of the proposal. The offeror's proposal shall include all data and information requested and shall be submitted in accordance with these instructions. Non-conformance with the instructions provided herein may result in an unfavorable proposal evaluation.

2.1.2 Proposal Clarity

The proposal shall be clear, concise, and shall include sufficient detail for effective evaluation and for substantiating the validity of stated claims. The proposal should not simply rephrase or restate the Government's requirements, but provide convincing rationale to address how the offeror intends to meet these requirements. The offeror shall assume that the Government has no prior knowledge of its facilities and experience, and will base its evaluation on the information presented in the offeror's proposal.

2.1.3 Brochures, Documentation, Binding, and Artwork

Elaborate brochures or documentation, binding, detailed artwork, or other embellishments are unnecessary and are not desired.

2.1.4 Proposal Acceptance Period and Due Dates

The proposal acceptance period/due date is specified in Table 2.1. Unless otherwise noted, proposals are due no later than 2:00 P.M. Eastern Time on the date specified. The offeror shall make a clear statement that its offer is valid for at least 120 days beyond the due date. Late proposals will not be considered, IAW FAR 15.208(b). If any proposal is received late, the Contracting Officer will promptly notify the offeror that its proposal was received late.

2.1.5 Government Storage of Proposals

In accordance with FAR subpart 4.8, Government Contract Files, the Government will retain the "original" copy of all proposals and supplemental documents provided. Unless the offeror requests otherwise, the Government will destroy all extra copies of proposals and additional documents submitted.

2.2 General Information

2.2.1 Point of Contact

The Contracting Officer and the Contract Administrator are the sole points of contact for this acquisition. Address any questions or concerns you may have to the Contracting Officer. For this acquisition, the Contracting Officer is Mr. Joe Zimmerman, who can be reached at the following:

Mr. Joe Zimmerman
ESC/NDK
11 Eglin St
Hanscom AFB, MA 01731-2120

Phone: (781) 377-9237
Fax: (781) 377-2444
e-mail: joe.zimmerman@hanscom.af.mil

2.2.2 Discussions

If, during the evaluation period, it is determined to be in the best interest of the Government to hold discussions, Offeror responses to Evaluation Notices (EN's), and the Final Proposal Revision (FPR) will be considered in making the source selection decision. NOTE: The Government reserves the right to award without discussions. However, discussions may be held if the Contracting Officer later determines them to be necessary (see FAR provision 52.215-1, which is incorporated by reference in this Section). Delivery date for the FPR will be established after initial receipt of the offeror's proposals.

2.2.3 Debriefings

The Contracting Officer will promptly notify offerors of any decision to exclude them from the competitive range, whereupon they may request, in writing, and receive a debriefing in accordance with FAR 15.505, Preaward Debriefing of Offerors. The Contracting Officer will also notify unsuccessful offerors in the competitive range of the source selection decision in accordance with FAR 15.503, Notifications to Unsuccessful Offerors. Upon such notification, unsuccessful offerors may request and receive a debriefing. Offerors desiring a debriefing must make their request, in writing, in accordance with the requirements of FAR 15.506, Postaward Debriefing of Offerors, as applicable.

2.2.4 Discrepancies

If an offeror believes that the requirements in these instructions contain an error, omission, or are otherwise unsound, the offeror shall immediately notify the Contracting Officer in writing, specifying the related section and page, with supporting rationale. The offeror is reminded that the Government reserves the right to award this effort based on the initial proposal, as received, without discussion.

2.2.5 Reference Library

2.2.5.1 A reference library has been established containing various technical documents to assist all offerors to better understand the Government's ISPAN requirements. The library is located in the Curtis E. LeMay building

(currently the USSTRATCOM building), Offutt AFB NE 68113-6600. The point of contact for the library is Mr. V. Russell Zink (MTC), (402) 294-0167. The library has been available for offerors to visit since October 2003. Contact Mr. Zink to reserve time in the library (library visits are limited to 4 hours at one time, although multiple visits are allowed). Security clearance of SECRET is required for each person visiting the library. Visits to the library shall be by appointment only. Reference the Federal Business Opportunities (FedBizOpps) website (www.eps.gov) for further information concerning the reference library.

2.2.5.2 To have access to the library and the LeMay building, corporate security offices must fax a Visit Authorization letter request as specified in DoD 5220.22M, National Industrial Security Program Operating Manual (NISPOM) to the USSTRATCOM COMSEC and Personnel Security Section (FAX 402-294-5257) and the ISPAN Systems Integrated Program Team (IPT) Office (FAX 402-294-4869). Visit requests must arrive 5 business days prior to the time of the scheduled visit. This lead-time is required to conduct security checks and verifications necessary to allow access to Offutt Air Force Base. Corporate security offices should call (402-294-0592) to confirm receipt of the visit authorization request. The letter should include a list of all individuals from the company who will be using the library, their social security numbers, security clearance, date and place of birth. Contractors who fail to show within 30 minutes of the scheduled time, without prior notification, will have to reschedule and submit a new visit request.

2.2.5.3 No more than one offeror with 2 individuals will be allowed in the library at any one time. All visitors are required to sign in/out on each visit. Visitors must be escorted at all times.

2.2.5.4 Visitors will not be allowed to bring computers, hard drives, cell phones, or personal data assistants into the LeMay building. Classified notes may be hand-written for official mailing to the company following the procedures in paragraph 2.2.4.6.

2.2.5.5 Visitors will not be allowed to remove originals of any documents from the library for any purpose. Library material shall not be photocopied.

2.2.5.6 Due to the sensitivity of the material in the library, visitors will not be allowed to hand carry their notes from the library. Contractor notes of classified material will require a reference to include document number, page, and paragraph. At the end of the visit, notes produced from the visit will be wrapped and mailed to the company using appropriate DoD security procedures in DoD 5200.1R. Visitors shall be expected to abide by all other general rules of the reference library, which will be briefed at the beginning of the appointment.

2.2.5.7 Directions to the LeMay building are as follows: enter the Kenney (north) gate of Offutt AFB and stop at the Visitor Control Center to obtain a temporary contractor ID for unescorted entry to Offutt AFB. Documents required for entry include driver's license, registration, proof of insurance, and contractor's identification badge. This action could take some time due to other security requirements of higher priority. Plan your arrival accordingly. After the visitor's center, turn right at SAC Boulevard and follow it around the flight line (you will pass the commissary and BX). The LeMay building will be on the left with white missiles in front. Parking is available in the Officer's Club parking lot across the street. Individuals should proceed to the USSTRATCOM visitor center (building 591) located in the northeast corner of the parking lot adjacent to the LeMay building (building 500). A telephone is available in the visitor's center to contact Mr. Russ Zink at 294-0167 to arrange an escort to the library.

2.3 Organization Of Proposals

The offeror shall prepare the proposal as set forth in Table 2.1, Proposal Organization, below. The volumes identified in the table should be separately bound in three-ring, loose-leaf binders. The proposal organization should be as follows:

Table 2.1 Proposal Organization

Volume	Volume Title	Page Limit	Number of copies	Due (NLT)*
I	Executive Summary	5	USSTRATCOM: 15 paper, 1 CD-ROM ESC: 10 paper, 2 CD-ROM	30-Apr-04
IIa	Mission Capability Written Proposal Including IMP/IMS, PWS, Subcontracting Plan; Contractor TRD; and Oral Proposal Agenda & Slides (in notes pages format)	60 (IMP/IMS, PWS, Subcontracting Plan, Contractor TRD, and Oral Proposal Agenda & Slides do not count towards this 60 page limit, however see para 4.3.1.1)	USSTRATCOM:15 paper, (6 only of IMP/IMS & PWS, 2 only of Subcontracting Plan, 2 only GFP list) 1 CD-ROM ESC: 10 paper (8 only of IMP/IMS & PWS, 8 only of Sub. Plan, 2 only of GFP list), 2 CD-ROM	30 April 2004, but see paragraph 4.3 and paragraph 5.10.2. GFP list due 14 April 2004
IIb	Mission Capability Oral Proposal —agenda and slides due with volume IIa	Slides Briefed within allotted time	USSTRATCOM:15 paper, 1 CD-ROM ESC: 10 paper, 2 CD-ROM	Completed within 10 business days of Volume IIa due date; Government will schedule time; all Oral Proposal complete by 21 May 2004
III	Cost/Price	No Page Limit	USSTRATCOM: 1 paper, 1 CD-ROM ESC: 10 paper, 2 CD-ROM	30 April 2004
IV	Contract Documentation	No Pager Limit	USSTRATCOM: 1 paper, 1 CD-ROM ESC: 5 paper, 2 CD-ROM	30 April 2004
V	Past Performance		USSTRATCOM 1 paper, 1 CD-ROM ESC:4 paper, 2 CD-ROM	14 April 2004
	Table of Contents	1		14 April 2004
	Summary page	1		14 April 2004
	Past Performance Information Sheet	3 per contract reference (see 2nd para. 7.2.1.3)		14 April 2004

Past Performance Questinonnaire & Tracking Record	No page Limit	USSTRATCOM 1 paper, 1 CD-ROM	14 April 2004
Past performance Assessment Report	No page Limit		14 April 2004
Consent Letters	No page Limit		14 April 2004
Organization Structure Change History	2		14 April 2004
Quality Awards	1		14 April 2004

* All documents due by 2:00 p.m. Eastern Time on the date specified

2.3.1 Page Limitations

2.3.1.1 Page limitations shall be treated as maximums. If exceeded, the excess pages will not be read or considered in the evaluation of the proposal and (for paper copies) will not be returned to the offeror. Excess pages shall be destroyed along with all unsuccessful proposals (see paragraph 2.1.5). Page limitations may also be placed on responses to Evaluation Notices (ENs). The page limitations for ENs, if any, will be identified in the correspondence forwarding the ENs to the offerors. When both sides of a sheet of paper display printed material, it shall be counted as two pages. Each page shall be counted except cover pages, tables of contents, cross reference matrix, tabs, and glossaries.

2.3.1.2 Page size shall be 8.5 x 11 inches, not including foldouts. Pages shall be single-spaced. Except for the reproduced sections of the solicitation document, the text size shall be no less than 10 point. Use at least 1-inch margins on all sides of each page. Pages shall be numbered sequentially by volume. Page limitations apply to electronic proposals, as well; see also section 2.4. If there are discrepancies in page counts between paper and electronic volumes, the paper version shall take precedence (e.g., if the paper version of a volume is 51 pages, and the electronic version of the same volume is 48 pages, the Government will treat the volume as having 51 pages).

2.3.1.3 Legible tables, charts, graphs and figures should be used wherever practical to depict organizations, systems and layout, implementation schedules, plans, etc. These displays should be uncomplicated, legible and shall not exceed 11 by 17 inches in size. Foldout pages shall fold entirely within the volume, and count as two pages. Foldout pages may only be used for large tables, charts, graphs, diagrams and schematics, and not for pages of text. For tables, charts, graphs and figures, the text shall be no smaller than 8 point. These limitations shall apply to both electronic and paper proposals.

2.3.2 Cost or Pricing Information
All cost or pricing information shall be addressed ONLY in Volume III, Cost/Price Volume. Discussions of cost savings and cost considerations maybe included in Volumes IIa and IIb, Mission Capability to support best value considerations.

2.3.3 Classified Information
Where classified information is required in your response, it shall be provided as a classified supplement and bound in a single classified addendum to Volume I. Each entry in the classified addendum shall be referenced to the

proposal volume, page number, and paragraph number to which it applies. Similarly, a reference shall be placed in the unclassified volume where the classified insert applies, giving the page and paragraph numbers within the addendum where it can be found. Binding shall conform to the same directions as those given in these instructions to offerors for unclassified portions. The classified addendum shall be separately bound with an applicable security designation color cover, conforming to applicable Security guidance and the DD Form 254. Pages in classified addenda will be included in the page count for the applicable volume. See paragraph 2.5 for submittal of classified material.

2.3.4 Cross Referencing

2.3.4.1 To the greatest extent possible, each volume shall be written on a stand-alone basis so that its contents may be evaluated with minimal cross-referencing to other volumes of the proposal. Except for classified references, information required for proposal evaluation that is not found in its designated volume will be assumed to have been omitted from the proposal.

2.3.4.2 Cross-referencing within a proposal volume is permitted where its use would conserve space without impairing clarity.

2.3.5 Indexing
Each volume shall contain a more detailed table of contents to delineate the subparagraphs within that volume. Tab indexing shall be used to identify sections.

2.3.6 Glossary of Abbreviations and Acronyms
Each volume shall contain a glossary of all abbreviations and acronyms used, with an explanation for each. Glossaries do not count against the page limitations for their respective volumes.

2.3.7 Binding And Labeling
Each volume of the proposal should be separately bound in a three-ring loose-leaf binder, which shall permit the volume to lie flat when open. Staples shall not be used. A cover sheet should be bound in each book, clearly marked as to volume number, title, copy number, solicitation identification and the offeror's name. The same identifying data should be placed on the spine of each binder. All unclassified document binders shall have a color other than red or other applicable security designation colors. Be sure to apply all appropriate markings including those prescribed in accordance with FAR 52.215-1(e), Restriction on Disclosure and Use of Data, and FAR 3.104-5, Disclosure, Protection, and Marking of Contractor Bid or Proposal Information and Source Selection Information.

2.4 Electronic Offers

2.4.1 On each CD-ROM, indicate the volume number and title. Use separate files to permit rapid location of all portions, including exhibits, annexes, and attachments, if any. The offeror shall submit all volumes in electronic format, using IBM-compatible, virus-free CD-ROM. Each volume shall be on a different CD-ROM. If files are compressed, the necessary decompression program must be included.

2.4.2 The electronic copies of the proposal shall be submitted in a format readable by Adobe Acrobat Portable Document Format (PDF), Microsoft (MS) Word 2000, MS Excel 2000, MS-Project 2000, MS-Power Point 2000, or Microsoft Visio, as applicable. System architectural diagrams which are best presented utilizing program such as System Architect, Rational Rose, etc. may be submitted in their native format, provided the offeror also provides the government, at no cost, eight (8) copies of the applicable program licensed for the duration of the evaluation period. Limited-duration licenses (e.g. 120 day free trial) are acceptable for this purpose.

2.4.3 Read passwords on files shall not be used. In the event that there is a discrepancy between the content found in a paper copy and an electronic copy, the paper copy shall take precedence. Diagrams presented in their native format shall count as one page per file.

2.5 Distribution
The "original" proposal shall be identified and delivered to ESC. All copies of proposals (see Table 2.1) shall be mailed or delivered to two locations, as specified in Table 2.1:

Electronic Systems Center
ESC/NDK
Attn: Rick Andreoli/Joe Zimmerman
ISPAN A&I Source Selection
9 Eglin St
Hanscom AFB, MA 01731

USSTRATCOM CL1541
Attn: ISPAN A&I Source Selection
Room 2H25
901 SAC Boulevard
Offutt AFB, NE 68113-6600

3.0 VOLUME I - EXECUTIVE SUMMARY

3.1 Narrative Summary

The purpose of this volume is to provide the Government evaluators with a clear and concise introduction to the physical structure of your proposal. Since all proposals submitted must conform to the standard format delineated within these instructions, the volume should describe the features of the presentation structure and the interrelationships between volumes and sections or subsections of the proposal. The format of this volume is at the discretion of the offeror, but should specifically indicate where material may be found for each major element of the evaluation as defined in Section M of this RFP. The salient features should tie in with Section M evaluation factors/subfactors. Any summary material presented here shall not be considered as meeting the requirements for any portions of other volumes of the proposal. Within this volume, the offeror should state that its proposal is valid for 120 days. Also, the offeror should include a contact list (with phone numbers, fax numbers, mailing addresses, e-mail addresses, etc.) of all key personnel. The contact list also should identify those personnel authorized to negotiate on behalf of their company. Furthermore, the list should indicate the person to contact in the event the offeror is awarded a contract (provide, at a minimum, contact's title, phone number, fax number, and mailing address).

3.2 Table Of Contents

The offeror shall include a master table of contents of the entire proposal.

4.0 VOLUME II - MISSION CAPABILITY

4.1 General

4.1.1 The Mission Capability Volume should be specific and complete, conveying clearly and concisely the requirements for each section. Legibility, clarity, and coherence are very important. In particular, the offeror should not construe slide count maximums as any indicator of the government's desired length. Proposals will be evaluated against the Mission Capability elements defined in Section M, Evaluation Factors for Award. Provide, as specifically as possible, the actual methodology you would use for accomplishing/satisfying these elements. All the requirements specified in the solicitation are mandatory. Through proposal submission, the offeror represents that it shall perform all the requirements specified in the solicitation. It is not necessary or desirable for an offeror to so state in its proposal. Do not merely reiterate the objectives or reformulate the requirements specified in the solicitation.

4.1.2 A cross reference matrix, citing paragraph numbering, shall be provided to show a tracking from the proposal volume and paragraph #, to requirements (SOO, TRD, or TDD, by paragraph number), to Section L, to Section M, and to the affected PWS paragraph. For the proposal, the requirements for this matrix may be presented "rolled up" using the End State Capabilities from Paragraph 5.4.6. This does not relieve the contractor from implementing bidirectional requirements traceability as described elsewhere in this RFP. This matrix shall not count against the Mission Capability Written Proposal page count.

4.1.3 Conceptually, the written proposal may be considered analogous to a "thesis," the oral proposal analogous to a the "defense of the thesis," and the Integrated Master Plan (IMP) and Performance Work Statement (PWS) as the contractually binding documents representing the "thesis report for implementation."

4.2 Volume IIa - Mission Capability Written Proposal
The written Mission Capability proposal shall consist of the following sections: 1) Architecture and Systems Engineering; and 2) Integrated Processes, Personnel, and Subcontracting. The written proposal shall be structured to address each of the evaluation areas and shall show how supporting integrated processes will map to the program milestones and tasks, contained in the IMP. The written volume shall address the following evaluation areas:

4.2.1 Architecture and Systems Engineering. The Government expects the depth of descriptions and explanations will reflect the limited proposal length.

1. Describe the proposed architecture and how it meets the objective to develop ISPAN software and integrate the USSTRATCOM-unique and COTS/GOTS applications, to include the extant products. Include the rationale used to arrive at the proposed architecture, and what evaluation factors were used in determining the proposed architecture. Describe the effort and technical application requirements necessary to integrate extant, legacy, and non-USSTRATCOM product functions/tools into the offeror's ISPAN environment in order to meet TRD/TDD requirements. Describe the planned set of architecture information to be delivered. Discuss how the architecture shall accommodate changing mission requirements. For the purpose of describing the architecture, assume all optional CLINS are exercised.

2. Describe the proposed solution(s) to the system functions, specifically addressing Executive, Optimization, Decision Support Services, Effects-Based Planning functions, and extant products. Describe how these functions will be delivered incrementally, that is, which TRD requirements will be delivered in which increments to fulfill which Block end-state capabilities. Explain how you plan to refine the proposed solutions.

3. Describe the processes to identify, define, analyze, allocate, and document functional and derived requirements.

4. Describe the approach to supporting information assurance throughout the contract, to include supporting multiple security levels and migration to multi-level security.

5. Describe the software development effort estimation process, to include derived software requirements and estimates for the extant and legacy applications. Discuss linkage to systems engineering and change processes, standard methodologies and models, and how the software effort estimates shall be updated throughout the system life cycle.

6. Explain which technical management leading indicators you propose to collect and how the metrics shall be computed, analyzed, used, and reported.

7. Describe the process for selecting, integrating, upgrading, and managing non-developmental items (NDI) products in the architecture throughout the system life cycle. Describe the process for managing the impacts of obsolescence of NDI products (to include COTS/GOTS) on the architecture.

4.2.2 Integrated Processes, Personnel, and Subcontracting. The offeror shall:

1. Describe its processes to refine, analyze, and assess solutions based on stated requirements (e.g., implementing system functions into the software architecture). Describe its approach to evolutionary acquisition and development/delivery of mission capabilities using the SDIP process. Discuss some of the critical milestones and associated key entry and exit decision criteria for Block 1 in the Integrated Master Plan (IMP) and explain why they will help ensure success. Provide a top level outline of these criteria for Blocks 2 and 3.

2. Describe how its integrated development processes will provide seamless collaboration with the following stakeholders: USSTRATCOM, the offeror's teaming partners/subcontractors, application contractors within the

ISPAN Integrated Product Team (IPT) environment, contractors working programs within USSTRATCOM outside the ISPAN IPT's, and contractors supporting organizations with which ISPAN will be collaborating.

3. Describe the most significant identified risks to the ISPAN program in terms of cost/schedule/performance impact, likelihood and severity, and describe how these risks were identified. Describe the risk mitigation process that will be used to continually track and manage such risks, and explain how the risk mitigation process ties to the offeror's other integrated processes. In particular, include the approach to mitigating operational disruptions caused by transition to the new ISPAN software and architecture.

4. Describe the approach to providing system training to users, operators, and maintainers.

5. Demonstrate the ability and describe the process to adequately staff this contract, to include ramp up. Demonstrate that personnel performing under this contract hold adequate security clearances for their assigned responsibilities. Demonstrate that personnel performing under this contract have adequate experience/training for the assigned responsibilities. Describe the processes used to ensure coverage in the event of absence/replacement. Describe the training process to ensure new personnel are capable of performing using the offeror's proposed integrated development processes.

6. Identify the extent of participation of small business/small disadvantaged businesses, historically black colleges or universities and minority institutions in performance of this effort, per DFARS 215.304. Describe the extent of commitment to use such firms; differentiate enforceable and non-enforceable commitments. Describe the complexity and variety of the work small firms are to perform.

7. Provide its Integrated Master Plan/Integrated Master Schedule (IMP/IMS) as a separate attachment to Volume IIa. The IMP shall be provided for incorporation into contract award at the government's discretion. The IMP/IMS shall not count against the Mission Capabilities volume's page count.

8. Provide a single Performance Work Statement (PWS) for incorporation into the contract. The PWS shall be based on the SOO, TRD, and TDDs for the extant products and optional products to which the offeror must adhere.

9. Provide a recommended hardware procurement schedule as specified in paragraph 5.10.2.1.

10. Provide a Contractor TRD (CTRD) which incorporates any requirements the Offeror is proposing for best-value consideration. Requirements proposed for best-value consideration shall incorporate "shall" or "shall*" terminology, as appropriate. The government may incorporate all, part, or none of the Contractor TRD, at its discretion. If the Offeror accepts the Government TRD as written, it shall so state. The Contractor TRD may be provided as an annex to the government TRD, and is encouraged to do so if this will make the Contractor TRD unclassified. If the Offeror merges the Government TRD and the CTRD, it shall indicate the location of any changes and added requirements (e.g. through the use of change bars).

4.3 Volume IIb Mission Capability (Oral Proposal)

All offerors shall be required to provide the Government evaluation team an unclassified oral proposal. The materials from this volume that are used by the offeror during the oral proposal (and the videotape of the oral proposal) will be used to evaluate the Mission Capability and Proposal Risk elements in accordance with Section M.

4.3.1 Oral Proposal Requirements

The offeror shall comply with the following requirements.

4.3.1.1 Unclassified oral proposals shall be conducted at the offeror's facility. Offerors are responsible for videotaping the oral proposal. The videotape of the oral proposal will receive the same care and security as all other source selection material. Seating for up to 20 members of the Government team will be required. For planning purposes, oral proposals are expected to be completed within 10 business days from the scheduled due date for receipt of proposals. The Government will randomly determine the order in which the offerors shall present their oral proposal. Slides submitted, but not briefed within the time limit, will not be considered for evaluation. The

Government may issue additional ENs at the conclusion of the Question and Answer (Q&A) session (see paragraph 4.3.1.2, below). Responses to the ENs shall be written. The Government reserves the right to issue questions or ENs on any portion of the proposals (written or oral) at any time.

4.3.1.1.1 Proposed agenda and slides shall be submitted in accordance with Table 2.1. Any changes to slides prior to the presentation shall be identified to the Government, and corrected slides provided, NLT the start of the day's presentation.

4.3.1.1.2 Slide copies due with Volume IIa shall be provided to the government using "notes pages" format, including explanatory remarks for the information contained on the slides. If the "notes pages" format results in the slide information begin too small for readability, a full size copy should be included.

4.3.1.1.3 Changes to the IMP, PWS, and other contract documentation, driven by EN's or questions/answers in the oral proposal, shall be incorporated in a revised version indicating the location of changes (e.g. through use of change bars). The changes shall be provided as part of the response to the EN. Only the affected portions of the documents must be included in the response (e.g. page remove/replace is acceptable if the contractor utilizes a hardcopy response). A clean final version shall be provided as part of the contract documentation IAW paragraph 2.2.2.

4.3.1.2 The total time allocated for the Offeror's Oral Proposal shall be two (2) business days. All sessions shall be videotaped and the Government will evaluate ONLY information recorded on the videotape and corresponding slide hardcopies.

4.3.1.2.1 The Oral Proposal shall commence at the Government's direction. The Oral Proposal and Q&A Sessions shall be videotaped by the Offeror and will be evaluated by the Government.

4.3.1.2.2 The offeror's Program Manager and/or other key personnel shall give the oral proposal. An individual authorized to obligate the company contractually shall also be present. Additional personnel may also be present at the oral proposal to address specific questions as deemed necessary by their Program Manager.

4.3.1.2.3 The following is the suggested Oral Proposal schedule for the two (2) day session commencing as determined by the Government. A 15 minute break shall be provided approximately every 90 minutes. A 90 minute lunch period shall be scheduled. The total time each day allotted for the offeror's presentation is 5 hours, 30 minutes. One hour is reserved for questions and answers (Q&A).

DAY 1 Session

8:00 - 11:30	Session 1 of Oral Proposal
11:30 - 1:00 PM	Lunch Break
1:00 - 3:00 PM	Session 2 of Oral Proposal
3:00 - 4:00 PM	Q&A
4:-00 - 5:00	Government Caucus

DAY 2 Session

8:00 - 11:30	Session 3 of Oral Proposal
11:30 - 1:00 PM	Lunch Break
1:00 - 3:00 PM	Session 4 of Oral Proposal
3:00 - 4:00 PM	Q&A
4:-00 - 5:00	Government Caucus

4.3.1.2.4 One hour is reserved for Q&A, but will not actually be utilized at the end of each day's session. Rather, in order to permit a flexible interchange, the government will use the one hour for Q&A throughout the oral proposal sessions. The government will track the Q&A time used; if the government exceeds its hour, the offeror will not be penalized. If the offeror exceeds its allotted time, the government may direct an end to the session. In order to provide flexibility in presentation method, the offeror may organize the oral proposal in a manner of its own choosing, but shall indicate, in the agenda, when each of the content items of paragraph 4.3.2 are scheduled to be presented.

4.3.1.2.5 During the government caucus at the close of the first day's session, the government may identify additional questions. The offeror may choose to answer these questions during the following day's session, or in writing to be presented along with the revised IMP. Additional time shall not be allotted for answers during the following day's session, but the government may, at its discretion, utilize a portion of the reserved Q&A hour.

4.3.1.3 Format and Copies Oral Proposals shall be in briefing format and taping shall begin at government direction at the start of the oral proposal. The government may make introductory remarks which shall not count against the offeror's time limit.

4.3.1.3.1 The offeror shall begin by introducing the oral proposal team by name, position held, role each person shall have after contract award, and company affiliation. The offeror shall use the oral proposal to explain its understanding and approach to enable complete evaluation of the offeror's capability to provide the products and services as required by the RFP. The offeror shall demonstrate its plans to meet the stated requirements and program objectives and show that it possesses the necessary understanding and expertise to successfully accomplish the proposed work. The offeror shall identify any additional types of government-furnished information it believes are needed in the performance of the contract.

4.3.1.3.2 NO cost/price information shall be included in the oral proposal or briefing charts. Discussions of cost savings and cost considerations may be included to support best value considerations.

4.3.1.3.3 The offeror shall provide three copies of an unedited VHS video recording of its oral proposal as presented to the Government at the end of the Session 2 question and answer (Q&A) period. The recording shall be date/time stamped, and an index provided correlating the slides with the time they were presented. The oral proposal session is defined as the entire session as identified in paragraph 4.3.1.2, and all proposal sessions (excluding breaks, lunch, and Government caucus) should be on the same videotape, unless time does not allow. One copy shall serve as the "original" record of the oral proposal. The 2nd and 3rd copies will be used for viewing by the evaluation team. The Government reserves the right to duplicate the videotapes, if required.

4.3.2 Oral Proposal Content
The offeror shall comply with all content requirements in paragraphs 4.3.2.1, 4.3.2.2, 4.3.2.3 and 4.2.4. Order of the proposal shall be in accordance with the schedule stated in paragraph 4.3.1.2.3. If the Government has issued ENs prior to the oral proposal, offerors shall reflect their responses to the ENs in the content of their oral proposal. Charts presented during the oral proposal that address ENs shall be so noted in the title of the respective chart (title shall include EN number). Throughout the oral proposal, refer to the appropriate Contract Data Requirements List (CDRL) Exhibit or contractual document which shall ultimately incorporate the information presented.

4.3.2.1 Architecture and Systems Engineering. Throughout the Architecture and Systems Engineering portion, explain how your integrated development processes shall ensure implementation occurs in the manner described.

1. Describe the proposed architecture and how it meets the objective to develop ISPAN software and integrate the USSTRATCOM-unique and COTS/GOTS applications, to include the extant products. Describe the planned set of architecture information to be delivered, and explain why these are appopriate. For the purpose of describing the architecture, assume all optional CLINS are exercised.

a. Describe the effort and technical application requirements necessary to integrate extant, legacy, and non-USSTRATCOM product functions/tools into the offeror's ISPAN environment in order to meet TRD and TDD requirements.
b. Describe the approach to selecting, integrating, upgrading, and managing COTS, GOTS, and legacy functions, the risks involved, and their associated mitigation plans.
c. Describe the approach to selecting, integrating, upgrading, and managing services, tools, data, and hardware, the risks involved, and their associated mitigation plans.
d. Describe the approach to supporting information assurance throughout the contract, to include supporting multiple security levels and migration to multi-level security. Explain why this approach is appropriate, what alternatives were considered, and what risks and mitigation plans are associated with the selected approach.
e. Describe any impacts to USSTRATCOM's existing information technology infrastructure (i.e. hardware, software, data environment) resulting from implementing the proposed architecture. Discuss how the recommended

changes or additions to the infrastructure support USSTRATCOM's long term standards- and service-based strategy and enterprise-focused infrastructure objective.

2. Discuss the approach to migrating from the current baseline to the objective software architecture, why this approach was selected, and how the migration shall ensure a smooth, risk-managed transition with no loss in operational capability, overall performance, and mission continuity. Describe the process for building reliability and maintainability into the system to minimize total cost of ownership/reduce life cycle costs.

3. Describe the approach to developing an open architecture that avoids proprietary or single-source solutions while accommodating the changing mission and the addition of new tools and capabilities. Include the rationale used to arrive at the proposed architecture, what evaluation factors were used in determining the proposed architecture, and why the proposed architecture was selected.

4. Explain how the proposed architecture shall be flexible and scalable to accommodate changes to the ISPAN computing environment, missions, and guidance as they evolve and mature. In the discussion, include how the architecture will accommodate changes in applications not controlled by this contract.

5. Describe how the proposed architecture is extensible through efficient integration of evolving technical capabilities (e.g., XML, distributed collaboration, guard technologies, data distribution), any risks associated with the technology, and any associated mitigation plans.

6. Describe the consistency of the proposed solution with DoD enterprise initiatives (e.g. Network-Centric Enterprise Services (NCES), Global Information Grid (GIG), Network-Centric Operational Warfare (NCOW)).

7. Describe the consistency of the proposed solution with USSTRATCOM's C2 Modernization Program (e.g. force status/readiness, fused battlespace vision, real-time collaboration, decision support presentation, etc.).

8. Describe the software development effort estimation process. Discuss linkage to systems engineering and change processes, standard methodologies and models, and how the software effort estimates shall be updated throughout the system life cycle. Explain how the estimates for extant and legacy applications were determined to be manageable. Explain why these estimates should be considered reliable (e.g. similarity to previous work in which estimates were reliable, use of industry processes demonstrating high maturity and reliability, etc.).

9. Describe the process for managing the impacts of obsolescence of Non-Developmental Item (NDI) products (to include COTS/GOTS) on the architecture, and explain why this process is appropriate.

10. Explain which metrics, particularly technical management leading indicators, you propose to collect and how the metrics shall be computed, analyzed, used, and reported. Explain what decisions will be supported/driven by the selected metrics. Explain what other metrics were considered and why they were rejected. Explain how and when the metrics collected are expected to change, and the process for identifying the need for different metrics.

11. Describe how the Executive function shall facilitate interfacing, integration, and interoperability with other USSTRATCOM and non-USSTRATCOM systems. Provide examples of systems which provide high payoff from integration, and describe why they are considered high-payoff. (Identified examples of interest include Theater Battle Management Core System (TBMCS), Joint Mission Planning System (JMPS), Air Force Mission Support System (AFMSS) Mission Planning System (MPS), Tomahawk Land Attack Missile (TLAM) Planning System.) Provide planned incremental capability and delivery dates, based on TRD requirements, and explain why this order provides the best value to the government.

12. Describe how the Optimization function shall produce war plans that are accurate, near optimal, extensible, scalable, verifiable, and consistent within system quantitative performance requirements. Provide planned incremental capability and delivery dates, based on TRD requirements, and explain why this order provides the best value to the government.

13. Describe how the Decision Support Services function shall provide a flexible and standards-based approach to provide the decision maker with near real time insight into the planning process and plan status. Provide planned

incremental capability and delivery dates, based on TRD requirements, and explain why this order provides the best value to the government.

14. Describe how and when the Effects-Based Planning function shall be integrated with the Executive, Optimization, Decision Support Service, and legacy planning functions. Explain why this order provides the best value to the government.

4.3.2.2 Integrated Processes, Personnel, and Subcontracting. The offeror shall provide details of its integrated processes:

1. Describe the processes to refine, analyze, and assess solutions based on stated requirements (e.g., implementing system functions into the software architecture). Explain how new requirements shall be assessed for their impact on scheduled and costed delivery performance. Describe the approach to evolutionary acquisition and development/delivery of mission capabilities using the SDIP process. Discuss some of the critical milestones and associated key entry and exit decision criteria for Block 1 in the Integrated Master Plan (IMP) and explain why the selected milestones will help ensure success. Provide a top level outline of these criteria for Blocks 2 and 3. Describe/briefly demonstrate how requirements/engineering use cases, linked to WBS and EVMS work packages/reports and the IMS, will be used to manage the program in an evolving CONOPS/evolving requirements environment. Explain the government's real-time visibility into those processes.

2. Describe how the offeror's proposed integrated development processes will operate seamlessly with stakeholders. Describe why these processes were selected over others, and why they will provide the government insight into the work being performed by the offeror's teaming partners/ subcontractors with the same level of fidelity and currency as that performed by the offeror itself.

3. Describe the most significant identified risks to the ISPAN program in terms of cost/schedule/performance impact, likelihood and severity, and describe how these risks were identified. Describe whether the identified risks are on the program's critical path(s), and how this determination was made. Describe the risk mitigation process that will be used to identify, evaluate, document, continually track and manage those risks that would significantly impact the Modernization program, and explain how the risk mitigation process ties to the offeror's other integrated processes. In particular, whether or not identified by the offeror as a most significant program risk, describe the process for system migration, integration, and test, to include identifying, managing, and correcting software defects. That is, describe how the migration strategy shall ensure a smooth, risk-managed transition with no loss in operational capability, overall performance, and mission continuity. Explain how test plans, test procedures and test cases are developed, documented, reviewed and controlled to ensure these processes occur with the level of rigor proposed.

4. Describe the proposed approach to providing system training to operators and maintainers. Explain why this approach is appropriate for the proposed system, and what alternate approaches, if any, the government should consider.

5. Demonstrate the ability and describe the process to adequately staff this contract, to include ramp up. Demonstrate that personnel performing under this contract hold adequate security clearances for their assigned responsibilities. Demonstrate that personnel performing under this contract have adequate experience/training for their assigned responsibilities. Describe the processes used to ensure coverage in the event of absence/replacement. Describe the training process to ensure new personnel are capable of performing using the offeror's proposed integrated development processes.

6. Identify the extent of participation of small business/small disadvantaged businesses, historically black colleges or universities and minority institutions in performance of this effort, per DFARS 215.304. Describe the extent of commitment to use such firms; differentiate enforceable and non-enforceable commitments. Describe the complexity and variety of the work small firms are to perform.

5.0 VOLUME III - COST/PRICE

5.1 Cost/price will be assessed for reasonableness and realism pursuant to FAR 15.305(a), 15.402(a), 15.404 15.404-2, 15.404-3, and AFFARS 5315.305(a)(1). All elements of the cost/price proposal volume shall be evaluated, and all options will be priced.

5.2 Each offeror's proposal shall represent its best efforts to respond to the RFP. Any inconsistency between promised performance and cost/price shall be explained in the proposal. For example, if unique and innovative approaches are the basis for an estimate, the nature of the approaches and their impact on cost/price must be explained. Any significant inconsistency, if unexplained, raises a fundamental issue of the offeror's understanding of the nature and scope of the work required and its ability to perform within the financial constraints, and may cause the proposal to be rejected. Offerors must submit, under a separate tab, all (if any) assumptions, conditions, or exceptions upon which the Cost/Price is based. The offeror shall assume that the government will purchase all production and development hardware, but this instruction does not preclude the possibility of contractor hardware purchase. The offeror shall assume that government furnished equipment (GFE) requests must be submitted to the government 18 months in advance for budgeted items. Reduced timelines may be assumed for FY04 and FY05 GFE.

5.3 Compliance with these instructions is mandatory and failure to comply may result in rejection of your proposal. The Cost/Price volume shall contain sufficient information to evaluate the offeror's proposal. The Cost/Price Volume shall include the cost or pricing information required in support of Section B. The offer shall provide a list detailing other direct cost items. The burden of proof for credibility of proposed costs/prices rests with the offeror.

5.4 For the Framework Function Development CLIN 0001, the offeror shall propose and price in detail the work to be accomplished and the requirements to be delivered, into the government Production environment, through 30 September, 2006. For pricing purposes, the Offeror shall assume the contract is awarded on 14 June, 2004. All TRD requirements being delivered shall be identified in a CLIN/WBS/TRD correlation matrix. The proposed number of deliveries to be made during this timeframe is left to the discretion of the offeror, but see Section 5.4.2 for instructions on numbering proposed deliveries.

5.4.1 The functions in the "Framework functions development" CLIN to be proposed and priced include, at minimum, the listing in the subparagraphs below. The government fully expects additional elements, as determined by the offeror's proposed architecture and integrated processes. The offeror shall identify, via the cross-reference matrix specified in Section 4.1, the offeror's mapping of specific requirements to each of the framework functions. Price dependencies on integration of outside applications, as specified in paragraph 5.10.3, shall be identified.

5.4.1.1 Executive/workflow management
5.4.1.2 Optimization functions
5.4.1.3 Decision support services
5.4.1.4 Effects-Based Planning
5.4.1.5 Conventional Weapons Integration
5.4.1.6 Missile Defense Integration (to include Offensive/Defensive Integration)
5.4.1.7 Other Mission Areas
5.4.1.8 Systems Engineering, Architecture, and Integration (SEA&I)
5.4.1.9 Travel
5.4.1.10 Material/ODC
5.4.1.11 Program Management

5.4.2 Any increments proposed for delivery in conjunction with an Enterprise Database (EDB) cutover shall use the following identifying numbers (e.g. a December, 2005 delivery would be titled Increment 2, whether or not a June 2005 delivery was proposed). The date indicates the government's currently scheduled EDB cutover. These dates are referred to as "delivery opportunities" for the purpose of these instructions.

5.4.2.1 Block 1

December, 2004:	Increment 0
June, 2005:	Increment 1
December, 2005:	Increment 2
June, 2006:	Increment 3

December, 2006: Increment 4
June, 2007: Increment 5
5.4.2.2 Block 2:
December, 2007 Increment 6
June, 2008 Increment 7
December, 2008 Increment 8
June, 2009 Increment 9
5.4.2.3 Block 3
December, 2009 Increment 10
June, 2010 Increment 11
December, 2010 Increment 12
June, 2011 Increment 13
5.4.2.4 O&S following Block 3
December, 2011 Increment 14
June, 2012 Increment 15
December, 2012 Increment 16
June, 2013 Increment 17
December, 2013 Increment 18

5.4.3 The offeror shall specify whether each delivery will be to the USSTRATCOM Production environment, as defined in the TRD, or to a different environment. The offeror shall complete the Section B requirements of the Cost/Price Volume accordingly.

5.4.4 The offeror shall sequence the delivery of TRD and TDD requirements to meet the Block end state capabilities listed below. The offeror shall identify which TRD and TDD requirements it proposes to satisfy in order to achieve the end-state capabilities listed.

BLOCK 1 END-STATE CAPABILITIES
Adaptive Planning & Analysis Vision--IOC
Theater/WMD Support--FOC
Workflow process management-Executive links to all applications (includes GIC/GOC collaborative planning interfaces)
S/W Architecture & IT development infrastructure
Initial versions of Decision Support & Effects-based planning tools
Automated COA construction-full Optimizer link to planning tools, automated target selection, & initial conventional weapons
Initial integration for IO, Space, C4ISR & Missile Defense (+ ODI)
Sustain and modernize DMS/DPS/TIPS; incorporate into baseline for efficiency per proposed architecture

BLOCK 2 END-STATE CAPABILITIES
Adaptive Planning & Analysis Vision-V2
Add conventional weapons
Improve IO, Space, C4ISR & MDI
Deliberate Planning--FOC
Modify S/W architecture to re-engineer and migrate existing applications
Respond to evolving requirements and technologies
Sustain & Modernize DMS/DPS/TIPS; incorporate into baseline for efficiency per proposed architecture
--Automated data change analysis
--Automated product distribution
Parallel task processing
System Integration & test services

BLOCK 3 END-STATE CAPABILITIES
Adaptive Planning & Analysis--FOC
Unit & Mobile Enhancements
IO, Space, C4ISR & MDI--FOC

Full Optimizer, Exec & DS integration
Respond to evolving requirements & integrate new technologies
Sustain modernized DMS/DPS/TIPS
System Integration & test services

5.5 The offeror's prices shall include a detailed Basis of Estimate (BOE) to include labor hours and direct labor rates in accordance with company practices for the base period and each option period for each CLIN, to include the optional priced CLINS. See, however, section 5.5.1. The BOE's associated with labor shall include application of Forward Pricing Rates, use of indices such as the Consumer Pricing Index (CPI), Employment Cost Index (EPI), or any other current industry-standard pricing practice. The offeror shall provide separate supporting data for estimated labor hours, Travel, Material, and all Other Direct Cost items (type and quantity) in order to allow for adequate understanding and evaluation. BOEs shall be complete and detailed to substantiate the resources proposed to perform the work, and map to a WBS as specified in paragraph 5.9.

5.5.1 For work efforts beginning after 30 September 2006, the offeror shall propose and price, to a WBS, with a BOE that may reflect a reduced level of detail, sufficient to assess the reasonableness of the offeror's proposal ("estimated BOE") and must be broken out at the Block level as a minimum by fiscal year.

5.6 CLIN 0004-0013, Framework Functions O&S is expected to be zero price, except for planning costs, until after the software is delivered to the Production environment and the software has been phased out of the development CLIN.

5.7 Option CLIN 0016 (in the series 0016-0025), Extant Product Line O&S has a delayed start due to the current contract's period of performance. Period of performance begins 1 Oct 2004.

5.7.1 The offeror shall price the work, for each extant product, to deliver the extant products' Technical Direction Documents' (TDD) performance requirements by fiscal year through contract end. The offeror shall assume each extant product will have a delivery at each opportunity, beginning with Increment 1, and continuing either until contract end or until the offeror proposes to incorporate the extant product into the framework function baseline to maximize efficiency.

5.7.2 Since the Extant Product Line has a delayed start, there is no CLIN programmed for FY04. The offeror may propose a transition period for the Extant Product Line in FY04, if desired.

5.8 The optional CLIN 0028 (in the series 0028-0037) for C2 Modernization O&S has a delayed start with the period of performance beginning no earlier than 1 Oct 2004.

5.8.1 The offeror shall price the work, for each optional product, to deliver the products' Technical Direction Documents' (TDD) performance requirements by fiscal year through contract end.

5.8.2 The offeror shall assume each optional CLIN product will have a delivery at each opportunity, beginning with Increment 1 and continuing until contract end.

5.8.3 Since the optional CLIN for C2 Modernization O&S have delayed start, there is no CLIN programmed for FY04. The offeror may propose a transition period for the C2 Modernization O&S, if desired.

5.9 All CLINS shall be priced to the 3rd WBS level, except as noted in paragraph 5.12. The contractor shall develop and provide the Contractor WBS (CWBS) to this level. Each BOE shall map to a 3rd level WBS, except as noted in paragraph 5.12. The offeror shall provide a matrix that cross-references the requirements documents, the WBS, and their PWS. At minimum, WBS elements shall be created to enable EVM and funds tracking of the development and O&S for each of the framework functions and each of the extant products, in order to maximize efficiency of response to changing requirements. This tracking capability shall provide substantially the same information and currency regardless of whether the work is performed by the offeror, a teaming partner, or a subcontractor. The tracking capability shall support monthly reporting of the elements specified by increment and by block, but monthly breakout is NOT required as part of the proposal. The tracking capability shall also provide

roll up data at each reported WBS level, through level 1. The requirements of this paragraph shall be incorporated into proposed modified verbiage for Exhibit A, CDRL A013.

5.9.1 The WBS elements specified in this paragraph need not necessarily be at the 3rd level, as long as 1) the elements can be tracked as specified and 2) 3rd level data is provided (e.g. SEA&I could be proposed as a 2nd level WBS element, with 3rd level breakout providing more detail, or the framework functions in paragraph 5.4.1 could be proposed as a 4th level element, as long as the offeror's proposal includes providing the data specified).

5.9.2 BOE's for subcontractors/teaming partners (including interdivisional transfers) shall be provided either as part of the offeror's proposal, or the required data may be submitted directly to the Government. BOE's must be provided for any subcontractor/team member accomplishing more than 10% of the total work. If subcontractor/team member data is submitted directly to the Government, it must be received at the same place and by the same date and time as required for the prime contract proposal.

5.10 The government has provided, in Table 5.1, an estimated funding stream. This funding is shown in then-year dollars, and includes award fees, travel, and materials/ODC (i.e. each figure represents a top line). Note that certain lines list constant figures, thereby indicating an expected real decrease in cost of ownership over the life of the contract. The offeror shall sequence the TRD requirements for development based on estimated available funding, the offeror's proposed architecture, and any offeror-identified dependencies on legacy and non-USSTRATCOM applications. The proposed delivery schedule shall be based on this sequencing, and shall be cost-feasible using this funding stream. Sequencing shall also identify and include those features of the architecture necessary to comply with DoD Network Centric Enterprise Services (NCES) and Global Information Grid (GIG) directives by the DoD implementation deadlines.

Table 5.1 Proposal Funding Stream (Then-year dollars, in millions)

	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	
Framework Dev	3.920	7.410	8.739	8.835	5.900	5.780	1.680	1.680	0	0	
Framework O&S	0	0	0	1.402	3.635	5.718	5.103	5.103	5.103	5.103	
Extant O&S	0	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	
C2 Mod O&S	0	4.991	5.237	5.007	3.078	3.268	3.977	4.086	3.705	3.895	
Evolving Msns Dev/O&S	0	0	5	8	10	10	15	15	15	15	
H/W Procurement		0	6.800	0	3.536	0	6.696	0	0	0	0
App Integ Dev	0	7.506	7.778	6.552	1.265	0	0	0	0	0	
App Integ O&S	0	0	0	0	1.385	1.305	1.129	1.055	1.055	1.055	

Dev: 3600 funds (multi-year); O&S: 3400 funds; Procurement: 3080 funds
The Evolving Missions line does not currently have associated funding. See paragraph 5.12.

5.10.1 The government assumes that the proposed architecture to meet the effects-based planning (EBP) program objective will be particular to each offeror. Therefore, to avoid revealing aspects of any potential offeror's architecture in the TRD, a single, overarching TRD requirement captures this objective. The offeror's shall price its proposed EBP architecture, which may be incorporated into the TRD following contract award. The offeror shall provide a Contractor TRD, for incorporation into the TRD at the government's discretion, which states the requirements it proposes for the EBP objective. The EBP function is the only area for which the government expects additional, Contractor TRD, requirements.

5.10.2 Apportionment estimates are provided for hardware procurement in order to assist the offeror in establishing a feasible hardware-refresh schedule as part of its proposal. This also includes associated software procurement (e.g. operating system licenses, etc.). It is not desired nor expected that the Modernization contractor will procure the hardware/software under this funding line; this equipment should be procured by the ITCC contractor. Thus, there is no CLIN associated with this line in Section B.

5.10.2.1 The offeror shall include, as an attachment to the mission capability volume, a recommended procurement schedule, to include estimated purchase prices, for government review. Government acceptance of the offeror's proposal shall not constitute acceptance of the offeror's recommended procurement schedule. The government will respond to the recommended procurement schedule as outlined in Section J, Attachment 4 (Government Furnished Property List).

5.10.2.2 If the offeror requires development hardware/software in FY04, funds from the Framework development line may be utilized for this purpose in the proposal. Following award, the government may permit such purchase directly, may instead obligate the necessary funds to the ITCC contractor, or may utilize a different source of funding (not depicted in Table 5.1) to obtain the necessary equipment.

5.10.2.3 The offeror shall assume that it is responsible for installation, configuration, system administration, and maintenance of all GFP outside HQ USSTRATCOM.

5.10.3 Apportionment estimates are provided for work to integrate existing applications with the ISPAN environment ("applications integration"). These existing applications include the extant product line, legacy ISPAN applications, and COTS/GOTS tools. These estimates are only for integration work on the applications, and do not include other development or O&S work which may be occurring within those application contracts.

5.10.3.1 It is not expected, nor desired, that funding and work associated with "applications integration" will be applied to the Planning and Analysis Modernization contract vehicle. Rather, the offeror shall describe, in the mission capability volume, the estimated effort and application requirements necessary to expose functionality and integrate those tools it proposes to introduce into the ISPAN environment. Cost information associated with this estimated effort shall be provided in the cost volume.

5.10.3.1.1 It is expected that the offeror shall request the government, as system integrator, to provide the necessary funding to the application's owning acquisition program in order to perform the work described. The weight-of-effort estimates for "applications integration" are provided to assist the offeror in establishing an appropriate level of government priority toward utilizing and leveraging existing applications.

5.10.3.1.2 The level of detail provided shall be sufficient to assess the reasonableness and cost-feasibility of the offeror's proposed schedule; the applications integration work schedule, per se, will not be evaluated.

5.10.3.2 It is foreseeable that the offeror may determine it can accomplish the "applications integration" work more efficiently than the owning acquisition program. In such cases, following award, the offeror may propose a value-based contract modification, but the government is under no obligation to agree to such a modification. The offeror shall not propose accomplishing the applications integration work itself as part of this solicitation.

5.10.3.3 No CLINs nor CLIN descriptions for "applications integration" funding is given in Section B, since this funding is not to be applied to this contract vehicle as part of the solicitation.

5.11 Travel/materials/ODC prices shall be proposed as WBS elements based on the needs of the respective CLIN. These prices shall be included when determining the associated CLIN's award fee pool.

5.12 For the "additional, in-scope work" CLINS, the offeror shall separately describe and separately price the work that could be accomplished using the listed "Evolving Missions" funding stream. Note that this line DOES NOT represent funds budgeted to USSTRATCOM. The purpose of this pricing is to permit the government to properly evaluate the offeror's potential ability to develop and manage the work should the newly assigned USSTRATCOM mission areas result in additional funding being applied to this contract. The offeror shall assume the funding breakout between development (3600) and O&S (3400) is two-thirds development and one-third O&S. All other instructions and clauses apply to this pricing, except as noted below.

5.12.1 The "additional, in-scope work" CLINS shall be priced to a 2nd level WBS. Note that this requirement is not the same as the requirement to provide estimated BOE's for work completed after 30 September, 2006 under other CLINS.

5.12.2 This potential requirement includes additional development effort to deliver, and O&S to sustain, "new" USSTRATCOM global capability software over and above current TRD requirements. This would include, but not be limited to, required databases, tools, applications, training, and integration that does not exist today, but would be required to attain truly global C2 capability in USSTRATCOM mission areas.

5.13 Fiscal years 2007 through 2010 include multiple ongoing Block development. The government assumes approximately 50% of funding in FY 2007 and 2009 will be used for the earlier Block, and 50% will be used for the later Block. The offeror is not restricted to these percentages, but shall include the actual percentages proposed. The offeror shall also include the estimated percentage of FY 2008 funding to be applied toward Increment 6, and the estimated percentage of FY 2010 funding to be applied toward Increment 10.

5.14 The offeror shall provide direct labor rates and position descriptions/qualifications for each proposed labor category level. In addition, the offerors shall identify the name, phone number, address, and e-mail of their cognizant DCAA/DCMA authority and the status of Forward Pricing Rate Agreements (FPRA).

5.15 Subcontractor Cost Summary. A subcontractor cost summary shall be, at the total program level, shown as a percentage of overall fiscal work, complete and detailed to substantiate the resources proposed to perform the work. This summary shall provide the basis of reasonableness and realism for all costs associated with the estimated level of performance.

5.16 The Award Fee structure will be as follows: Base Fee of 2%, plus Award Fee Pool for Development of 13%, Award Fee Pool for O&S of 6%. The Special Performance Incentive, which is a one-time fee of $300,000.00 for quality Systems Engineering, as demonstrated by an Open and Secure Architecture, is estimated for demonstration in the latter part of Block 2. The SPI shall not be considered for award during the first 36 months of the contract, and shall not be included in Offeror proposed Award Fee amounts.

6.0 VOLUME IV - CONTRACT DOCUMENTATION

6.1 Model Contract/Representations And Certifications

The purpose of this volume is to provide information to the Government for preparing the contract document and supporting file(s). The offeror's proposal shall include a signed copy of the Model Contract, and completed Sections A through K. This includes any attachments identified in Section J. Offerors may propose additional clauses for best-value evaluation against Section M evaluation criteria, but are under no obligation to do so.

6.1.1 Section A - Solicitation/Contract Form

When completed and signed by the offeror, this constitutes the offeror's acceptance of the terms and conditions of the proposed solicitation. Signature by the offeror on the SF33 constitutes an offer, which the Government may accept. Therefore, representatives of the offeror, authorized to commit to offeror to contractual obligations, must execute the form. Offerors shall sign the SF 33 in block #17 and submit it as part of and at the same time as Volume III - Cost/Price.

6.1.2 Section B - Supplies or Services and Costs/Prices

To be submitted as part of the Cost/Price Volume.

6.1.3 Section C - Description, Specifications, Performance Work Statement

The Government has prepared, and included as attachments in Section J, a Statement Of Objectives, a Technical Requirements Document for the framework functions development (classified SECRET), and Technical Direction Documents for the extant products, additional extant products, and optional products, to which the offeror must adhere. The offeror shall provide a single proposed PWS for the contract for incorporation into Section C.

6.1.4 Section D - Packaging and Marking

The offeror must adhere to all guidance in Section D, and shall complete any clauses, as necessary.

6.1.5 Section E - Inspection and Acceptance

The offeror must adhere to all guidance in Section E, and shall complete any clauses, as necessary.

6.1.6 Section F - Deliveries or Performance

The offeror must comply with the performance schedule detailed in this section.

6.1.7 Section G - Contract Administration Data
The offeror must adhere to all guidance in Section G, and shall complete any clauses, as necessary.

6.1.8 Section H - Special Contract Requirements
The offeror must adhere to all guidance in Section H, and shall complete any clauses, as necessary.

6.1.9 Section I - Contract Clauses
The offeror must adhere to all clauses in Section I, and shall complete any clauses, as necessary.

6.1.10 Section J - List of Attachments
The offeror must adhere to all attachments in Section J.

6.1.11 Section K - Representations, Certifications, and Other Statements to Offerors
The offeror must complete all representations and certifications in Section K. Section K shall be incorporated into the contract by reference.

6.2 Exceptions To Terms And Conditions
Exceptions taken to terms and conditions of the model contract, to any of its formal attachments, or to other parts of the solicitation shall be identified. Each exception shall reference the paragraph and/or specific part of the solicitation to which it is taken, the page and paragraph number, and justification for why the requirement will not be met. Provide rationale in support of the exception and fully explain its impact, if any, on the performance, schedule, cost, and specific requirements of the solicitation. Failure to comply with the terms and conditions of the solicitation may result in the proposal being considered non-responsive and result in the offeror being removed from consideration for award.

6.3 Post-award refinement process.

6.3.1 Following award, the government may elect to refine the offeror's proposed delivery schedule into an initial Spiral Development Increment Plan (SDIP), or may accept the offeror's proposal for the first two increment deliveries as the initial SDIP. If refinement is selected, the government will use an abbreviated form of the SDIP process contained in Section J. The first SDIP will be incorporated into the contract as soon as possible, but not more than 45 days following contract award.

6.3.2 Following award, the government will refine the offeror's proposed delivery schedule for the extant and optional products into an initial SDIP for each of those products. Such refinement will occur following a timeline to permit the contractor to begin work immediately upon assuming responsibility for a product.

6.4 Other Information Required
The offeror must submit information required by these instructions. Failure to provide the information may result in the offeror being removed from consideration for award.

6.4.1 Company/Division Address, Identifying Codes, and Applicable Designations

Provide company/division's street address, county and facility code; CAGE code; DUNS code; size of business (large or small); and labor surplus area designation. This same information must be provided if the work for this contract shall be performed at any other location(s). List all locations where work is to be performed and indicate whether such facility is a division, affiliate, or subcontractor, and the percentage of work to be performed at each location.

6.4.2 Attachments to the Contract
The offeror shall complete Section K of this solicitation (see paragraph 6.1.11). Section K shall be incorporated into the contract by reference. If the offeror is other than a small business, it shall also submit a Small Business

Subcontracting Plan in accordance with FAR 52.219-9, Small Business Subcontracting Plan, that also identifies and specifies the extent of offeror's commitment to the participation of small businesses (SB), historically black colleges or universities (HBCU), and minority institutions (MI), whether as joint venture members, teaming arrangement partners, or subcontractors. The Subcontracting Plan will be provided in Volume IIa, Mission Capability. If applicable, submit a copy of the approved Master Plan. In the event the offeror has negotiated a comprehensive subcontracting plan pursuant to DFARS 219.702, Statutory Requirements, the offeror must submit the information that identifies and specifies the extent of its commitment to the participation of SB, HBCU and MI. The Subcontracting Plan must be approved by the Contracting Officer prior to contract award

6.4.2.1 The offeror shall propose to at least a 20% subcontracting threshold for small business (SB), small disadvantaged business (SDB), Historically Black Colleges and Universities (HBCU), and Minority Institutions (MI) participation. The sum of subcontracts issued to SB, HBCU, and MI by the prime contractor and first tier team members/joint venture partners shall be counted toward achievement of the 20% threshold. The offeror may propose a higher small business subcontracting objective goal.

6.4.2.2 Participation of Small Business (SB), Small Disadvantaged Businesses (SDB), Historically Black Colleges and Universities, or Minority Institutions (HBCU/MI). If the offeror is other than a small business, the offeror shall submit a Small Business Subcontracting Plan in accordance with FAR 52.219-9 that also identifies and specifies the extent of offeror's commitment to the participation of SB, SDB, HBCU, and MI, whether as joint venture members, teaming arrangement partners, or subcontractors. If applicable, submit a copy of your approved Master Plan. In the event the offeror has negotiated a comprehensive subcontracting plan pursuant to DFARS 219.702, the offeror must submit the information that identifies and specifies the extent of its commitment to the participation of SB, SDB, HBCU and MI.

7.0 VOLUME V - PAST PERFORMANCE

7.1 General

The Past Performance volume of the offeror's proposal is due prior to all other proposal volumes. See Table 2.1 for proposal due dates.

7.2 Instructions

The offeror shall provide past performance information for evaluation. Failure to provide the information may result in the offeror being removed from consideration for award. Samples of the Past Performance Questionnaire, Past Performance Information Sheet, Past Performance Questionnaire Tracking Record, Past Performance Consent Letter, and Cover Letter are found in Section J, Attachment 8, Past Performance Documents.

7.2.1 Content of Past Performance Volume

The offeror's Past Performance Volume shall contain the following:

1. Table of Contents
    2. Summary Page
    3. Past Performance Information Sheets
    4. Past Performance Questionnaire Tracking Record
    5. Past Performance Assessment Report
6. Consent Letters
7. Organization Structure Change History
8. Quality Awards

7.2.1.1 Table of Contents

The Table of Contents shall list all documents contained in the Past Performance Volume.

7.2.1.2 Summary Page

The Summary Page shall describe the role (for the proposed Planning and Analysis Modernization work) of the offeror and each subcontractor, teaming partner, and / or joint venture partner that the offeror is required to provide Past Performance Information Sheets in accordance with paragraph 7.2.1.3 below.

7.2.1.3 Past Performance Information Sheets
Submit information on contracts you consider most relevant in demonstrating your ability to perform the proposed effort. Include rationale supporting your assertion of relevance. Clearly link the past performance information to the Mission Capability subfactors stated in Section M. Additionally, as applicable, offerors are to include a discussion of efforts to resolve problems encountered as well as efforts to identify and manage program risk. Where problems existed, clearly demonstrate management actions employed in overcoming these problems and the effects of those actions, in terms of improvements achieved or problems rectified. Contracts shall be at least 6 months old to be considered. Contracts with expiration dates more than three (3) years old shall not be considered.

The offeror shall submit Past Performance Information Sheets in accordance with the format contained in Section J, Attachment 8.This information is required on the offeror, teaming partners, and/or joint venture partners, and/or subcontractors, anticipated to perform at least 20 per cent of the effort based on the total proposed price, or perform aspects of the effort the offeror considers critical to overall successful performance. The maximum number of Past Performance Information Sheets per offeror is 10. Each Past Performance Information Sheet for each contract is limited to 3 pages. The required documentation is as follows:

· Maximum of 5 Past Performance Information Sheets identifying active or completed contracts, either Government or commercial, for the prime, teaming partner, and/or joint venture partner with the business unit issuing the proposal to the ISPAN A&I contract (to include relevant reachback capability) - this rule applies to both the proposed prime contractor as well as proposed subcontractors/teaming/venture partners.
o Include relevant information concerning your compliance with FAR 52.219-8, Utilization of Small Business Concerns, on at least two (2) of the contracts you submit. If there were no substantial subcontracting opportunities on at least two (2) of these contracts, provide relevant information on additional contracts for a total of two (2) contracts.

· Maximum of 5 Past Performance Information Sheets for the major or critical subcontractors

Offerors are cautioned that the Government will use data provided by each offeror in this volume and data obtained from other sources in the evaluation of past performance.

7.2.1.4 Past Performance Questionnaire Tracking Record
The offeror shall send out, and confirm receipt and submission of the Past Performance Questionnaire (Section J, Attachment 8), to each of the offeror's, critical subcontractors', teaming contractors' and/or joint venture partners' (i.e., each entity's) Points of Contact (POCs) identified in the Past Performance Questionnaire Tracking Record (Section J, Attachment 8). The responsibility to send out and track the receipt and submission of the Past Performance Questionnaires rests solely with the offeror. For each questionnaire, complete and sign a letter containing substantially the same information as in the Sample Questionnaire Cover Letter (Section J, Attachment 8). Cover letters should be printed on company letterhead. The offeror shall exert its best efforts to ensure that at least two POCs, per relevant contract, submit a completed Past Performance Questionnaire directly to the Government not later than the due date for the past performance proposal volume. Each of the offeror's POCs shall e-mail or FAX its completed Past Performance Questionnaire directly to Mr. Joe Zimmerman or 1Lt James Hammond, phone 781-377-3810 before FAXing their response. Mailing the questionnaire(s) is an acceptable alternative method of transmission. The mailing address is:

ESC/NDK
ATTN: Mr. Rick Andreoli
ISPAN A&I Source Selection
9 Eglin Ave.
Hanscom AFB MA 01731

If mailing, the outside envelope must be marked as follows:

NOTE: TO BE OPENED BY ADDRESSEE ONLY
SOURCE SELECTION INFORMATION - See FAR 3.104
FOR OFFICIAL USE ONLY

Once the Past Performance Questionnaires are completed by your POCs, the information contained therein shall be considered sensitive and shall not be released to you, the offeror. Questionnaires shall be sent to - and best efforts made to ensure completion, and submission directly back to the Government from - at least two of the following (in descending order of availability):

Procuring Contracting Officer/Contract Negotiator or equivalent
Program/Project Manager, or equivalent
c. Administrative Contracting Officer/Contract Administrator or equivalent

7.2.1.5 Past Performance Assessment Report

If an evaluation form other than a Contractor Performance Assessment Report (CPAR) has been used in conducting performance assessments such as an Award Fee notification letter, submit that form. If a CPAR or other evaluation form has been accomplished on the offeror's existing work but the contracting office for that requirement will not release the information, the offeror shall immediately notify the Contracting Officer for this solicitation. Provide the contract number, point-of-contact and phone number from which the past performance information should be obtained. This information should be provided to the Contracting Officer for this solicitation as soon as any difficulty occurs and before the proposal due date.

This information is required on the contracts submitted IAW paragraph 7.2.1.3 - Past Performance Information Sheets.

7.2.1.6 Consent Letters
Past performance information concerning subcontractors and teaming partners cannot be disclosed to a private party without the subcontractor's or teaming partner's consent. Because the offeror is a private party, the government will need that consent before disclosing subcontractor / teaming partner past performance information to the offeror during exchanges. In an effort to assist the Government in assessing your past performance relevancy and confidence, request a Consent Letter (see sample at Section J, Attachment 8) be completed by the major subcontractors / teaming partners identified in your proposal. The completed Consent Letter should be submitted as part of the Past Performance Information Volume, but will not be considered in the page count of this Volume. Should the offeror not submit a completed Consent Letter for major subcontractors or teaming partners, the Government will only discuss past performance information directly with the prospective sub-contractor or teaming partner that is being reviewed. If there is a problem with the proposed subcontractor's or teaming partner's past performance, the offeror can be notified of a problem, but no details may be discussed without the subcontractor's / teaming partner's permission.

7.2.1.7 Organization Structure Change History
Many companies have acquired, been acquired by, or otherwise merged with other companies, and/or reorganized their divisions, business groups, subsidiary companies, etc. In many cases, these changes have taken place during the time of performance of relevant past efforts or between conclusion of recent past efforts and this source selection. As a result, it is sometimes difficult to determine what past performance is relevant to this acquisition. To facilitate this relevancy determination, include in this proposal volume a "roadmap" describing all such changes in the organization of your company. As part of this explanation, show how these changes impact the relevance of any efforts you identify for past performance evaluation/performance confidence assessment. Since the Government intends to consider past performance information provided by other sources as well as that provided by the offeror(s), your "roadmap" should be both specifically applicable to the efforts you identify and general enough to apply to efforts on which the Government receives information from other sources.

7.2.1.8 Quality Awards
On one sheet of paper, the offeror may describe any quality awards or certifications that indicate the offeror, partner (if applicable), and subcontractor, possesses the necessary skills to perform the services required. Such awards or certifications include, for example, the Malcolm Baldridge Quality Award, other government quality awards, and private sector awards or certifications (e.g., ISO 9000 series, Software Engineering Institute's Capability Maturity Model Integration series, the QS 9000 series, Sematech's SSQA, or ANSI/EIA-599). Identify what segment of the company (one division or the entire company) received the award or certification; if not bestowed on the business

division which will accomplish the work under this solicitation, provide evidence the award has relevance. Describe when the award or certification was bestowed. If the award or certification is over three years old, provide evidence that the qualifications still apply.

7.2.2 Relevancy and Recency of Information for Past Performance Volume
Offerors should provide past performance information that is relevant and recent. Relevancy includes program size (e.g., numbers of desktops, users, servers; numbers and sizes of software components and databases), complexity (e.g., heterogeneity, COTS/GOTS/custom applications, technology mix, types of applications developed and engineering services provided, comparable information assurance requirements), mission criticality, mission domain (e.g., war planning and analysis), recency (e.g., within the past five years, ongoing programs), and development by the business unit issuing the proposal to the Planning and Analysis Modernization contract (to include relevant reachback capability). The Government will evaluate each offeror on its performance under past contracts for similar services. The Government may contact references, other than those identified by the offeror, and use the information received to evaluate the offeror's past performance. Past performance relevancy determinations will be based on the closeness of the past performance as it relates to the mission capability subfactors. For the purpose of satisfying this requirement, types of past performance work that are essentially the same as this acquisition will be more relevant than types of work that are not similar. Performance under contracts with expiration dates prior to 1999 will not be considered.

7.2.3 Determination of Responsibility
Even though the assessment of Past Performance as a specific evaluation factor is separate and distinct from the Determination of Responsibility required by FAR 9.1, Responsible Prospective Contractors, past performance information obtained herein will be used to support the Determination of Responsibility for the successful awardee.

ESC-L002 COOPERATION WITH SUPPORT CONTRACTORS (MAR 2004)

a) The Air Force has entered into contracts with the contractors set forth in paragraph (d) below (hereinafter referred to as "support contractors") for services for scientific engineering and technical effort in support and under the technical direction of the ISPAN Mod A&I program office. The Contractor shall be required to provide support and technical information to the support contractors, to the extent specified herein. The Contractor agrees that the Government may release to the support contractors any technical information required in the performance of this contract. The Contractor also agrees that other support contractors may be added by the Government at no change to the contract price. Additionally, the Contractor agrees to enter into or extend written mutual agreements with each support contractor for the protection of this information. A copy of the signed agreement or extension shall be furnished to the Contracting Officer within 30 days of notification of identity of support contractors.
(b) Such support shall include the right of the support contractor(s) to attend all scheduled technical audits, technical and program reviews and formal tests conducted in the performance of this contract when specifically required and approved by the Contracting Officer. Discussion with subcontractors by a support contractor shall be accomplished with the approval of the PCO and the concurrence of the Contractor.
(c) The support and technical information to be provided shall be no greater than required by this contract. The technical support required is limited to the support necessary for the support contractor to fulfill its respective role to provide assistance to the Program Office for evaluation of the technical aspects.
(d) The support contractors will include the following:

Tecolote Research, Incorporated
54 Middlesex Turnpike
Bedford, MA 01730

Modern Technologies Corporation
4032 Linden Ave
Dayton OH 45432

The Peter Kiewit Institute
1110 S 67th Street
Omaha NE 68182

L002 PARTICIPATION BY THE MITRE CORPORATION IN THE EVALUATION OF PROPOSALS (MAY 1997) (TAILORED)

The Air Force has contracted with The MITRE Corporation, a not-for profit corporation under Air Force sponsorship, for the services of a technical group which is under the program management of the Electronic Systems Center, and responsible to the Air Force for overall technical review of specified Air Force programs. The Air Force contract with The MITRE Corporation and MITRE's employment contracts with its personnel, prohibit the unauthorized dissemination of data to which it or its employees have access. It is the Government's intent to use the services of The MITRE Corporation in a purely advisory role in the technical evaluation of offers. The exclusive responsibility for source selection remains with the Government. The Government also intends to provide MITRE personnel access to past performance information, including Contractor Performance Assessment Report (CPAR) data, during formal source selection briefings, but only as it is presented by the Performance Risk Assessment Group (PRAG) at the summary level; access to actual completed CPARs will not be provided. If you desire that MITRE be excluded from access to information contained in your offer or excluded from past performance information presented by the PRAG during briefings, kindly so indicate in a letter of transmittal accompanying your offer.

L011 APPLICABLE CLAUSES (MAY 2002)

The appropriate clauses to be included in the contract will be determined based on Offeror's response to the Section K representations.

(a) Patent Rights. If the Offeror is a small business firm or nonprofit organization, then FAR 52.227-11, PATENT RIGHTS-RETENTION BY THE CONTRACTOR (SHORT FORM), DFARS 252.227-7034, PATENTS - SUBCONTRACTS, and DFARS 252.227-7039, PATENTS - REPORTING OF SUBJECT INVENTIONS will be used in Section I. Otherwise, FAR 52.227-12, PATENT RIGHTS - RETENTION BY THE CONTRACTOR (LONG FORM), will be included in Section I consistent with FAR Part 27.

(b) Cost Accounting Standards. Section I of this solicitation may contain the three Cost Accounting Standards clauses at FAR 52.230-3, 52.230-4, 52.230-5, and/or 52.230-6. The resultant contract will contain only those clauses required based on the Offeror's response to the Section K certification titled Cost Accounting Standards Notices and Certification (National Defense).

(c) State of New Mexico. Section I of this solicitation may contain the clause at FAR 52.229-10, STATE OF NEW MEXICO GROSS RECEIPTS AND COMPENSATING TAX. The resultant contract will contain this clause only if performance is in whole or in part within the State of New Mexico and the contract directs or authorizes the contractor to acquire property as a direct cost under the contract.

(d) Educational institutions and nonprofit organizations. If a cost-reimbursement type contract is contemplated and the offeror is an educational institution, paragraph (a) of the clause at FAR 52.216-7, Allowable Cost and Payment shall be altered in the resultant contract to refer to FAR Subpart 31.3 for determining allowable costs. Similarly, if the offeror is a nonprofit organization (other than an educational institution, a State or local government, or a nonprofit organization exempted under OMB Circular No. A-122), paragraph (a) of the clause at FAR 52.216-7 shall be altered to refer to FAR Subpart 31.7. In addition, if the offeror is an educational institution, DFARS 252.209-7005, MILITARY RECRUITING ON CAMPUS, will be added to Section I of the resultant contract.

(e) Subcontracting Plan. If the offeror has a comprehensive subcontracting plan under the test program described in 219.702(a), DFARS 252.219-7004, SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (TEST PROGRAM) and associated implementation in Section H will be used in lieu of FAR 52.219-9, FAR 52.219-10, FAR 52.219-16, DFARS 252.219-7003, and H081.

L015 RFP TECHNICAL CLARIFICATIONS (FEB 1997)

Offerors who determine that the technical requirements of this RFP require clarification(s) in order to permit submittal of a responsive proposal shall submit all questions in writing within 10 days of receipt of the RFP. These questions shall be directed to the Contract Negotiator identified on the cover page of the solicitation.

L021 SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS (FEB 1997)

FAR 52.219-9 AND DFARS 252.219-7003 and 252.219-7005 are included in this solicitation and will be incorporated into any resultant contract. A subcontracting plan is required from all offerors other than small business concerns for proposals exceeding $500,000 which contain subcontracting opportunities. The plan shall be submitted with the initial proposal and will be concurrently negotiated. If a cost proposal is required by this solicitation, it must relate to, and substantiate, the submissions under FAR 52.219-9(d). Also substantiate the reasonableness of any additional costs to be expended in pursuit of the small disadvantaged business goal. The offeror's submission must provide sufficient information to support the contracting officer's review of the subcontracting plan to determine: (a) if it is acceptable (otherwise an offeror will be ineligible to receive the contract award); and (b) if at the time of contract completion any small disadvantaged business subcontracting incentive or award fee has been earned. Contractors who have been selected for participation in the DoD test program authorized by Section 834 of Public Law 101-189 and who have approved comprehensive subcontracting plans are not required to negotiate subcontracting plans on an individual contract basis. If the offeror has an approved comprehensive subcontracting plan under the DoD test program, the offeror shall provide a copy of its approved comprehensive subcontracting plan in lieu of the individual plan required herein. Any contract resulting from this solicitation which includes a comprehensive subcontracting plan will include the clause at 252.219-7004, Small Business and Small Disadvantaged Business Subcontracting Plan (Test Program), in lieu of the clauses at FAR 52.219-9, and DFARS 252.219-7003 and 252.219-7005.

L029 DETERMINATION OF COMPETITIVE RANGE (FEB 1997)

a. Pursuant to FAR 15.306, the Contracting Officer's determination of competitive range of proposals submitted as a result of this solicitation will consider such criteria as technical evaluation/ranking of the proposal, initial cost/ price proposed, and other items set forth in Section M of this solicitation. See the Section M paragraph entitled "Evaluation Criteria," for a definitive listing of these criteria and their relative importance.

b. Offerors are hereby advised that only those proposals determined to have a reasonable chance for award of a contract will be included in the competitive range. While every effort will be made to maintain strong competition, the Contracting Officer will also look to eliminate time consuming and unnecessary discussions with those offerors whose proposals have no reasonable chance for award. This procedure is considered beneficial to both the Air Force and the offerors involved since, in addition to saving further expenditure of resources, acquisition lead time should be reduced.

c. Accordingly, offerors should submit initial proposals on their most favorable terms, from both a technical and cost/price standpoint. Again, it should be noted that proposals will not be included in the competitive range solely on the basis of technical acceptability, nor will they be included due to cost/price considerations alone.

d. Offerors whose proposals are not included in the competitive range will be notified as soon as practicable. Additional information relative to such proposals will be provided through debriefing of unsuccessful offerors.

L045 ACCESS TO AIR FORCE COMPUTER SYSTEMS (MAR 1999)

If performance under this contract will require access to Air Force computer systems (stand alone or networked), compliance with Air Force Instruction (AFI) 33-119 and Air Force Systems Security Instruction (AFSSI) 5027 is mandatory. It should be noted that such access requires, at a minimum, a National Agency Check or Entrance National Agency Check in accordance with DoD 5200.2-R, Personal Security Program. Offerors should make themselves familiar with local procedures for processing such requirements, and be prepared to be in compliance on the first day of contract performance. Failure to comply with this requirement may be considered a failure to perform.

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

52.217-03 EVALUATION EXCLUSIVE OF OPTIONS (APR 1984)
52.217-04 EVALUATION OF OPTIONS EXERCISED AT TIME OF CONTRACT AWARD (JUN 1988)

B. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

5352.215-9019 ADDITIONAL EVALUATION FACTOR FOR CONSIDERATION OF PAST PERFORMANCE RED-YELLOW-GREEN PROGRAM (OVER $100K) (AFMC) (AUG 2002)

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

OTHER SOLICITATION PROVISIONS IN FULL TEXT

M002 EVALUATION CRITERIA (FEB 1997) (TAILORED)

Version 2.11

1.0 BASIS FOR CONTRACT SELECTION
The Government will select the best overall offer, based upon an integrated assessment of Mission Capability, Proposal Risk, Past Performance, and Cost/ Price. This is a best value source selection conducted in accordance with Federal Acquisition Regulation (FAR) 15.3, Air Force Federal Acquisition Regulation Supplement (AFFARS) 5315.3 Source Selection and the AFMC supplement (AFMCFARS) thereto. Award will be made to the Offeror who is deemed responsible in accordance with the Federal Acquisition Regulation (FAR), as supplemented, whose proposal conforms to the solicitation's requirements (to include all stated terms, conditions, representations, certifications, and all other information required by Section L of this solicitation) and is judged, based on the evaluation factors and subfactors, to represent the best value to the Government.

The Government reserves the right to award without discussions. If discussions are conducted, offeror responses to Evaluation Notices (ENs), and the Final Proposal Revision (FPR) will be considered in making the source selection decision.

Best value means the expected outcome of an acquisition that, in the Government's estimation, provides the greatest overall benefit in response to the requirement. The Integrated Strategic Planning and Analysis Network (ISPAN) program will utilize a trade-off process in arriving at that "best value" decision, as described in FAR 15.101-1. This may result in a selection of a higher rated, higher priced Offeror, when the decision is consistent with the evaluation factors, and the Source Selection Authority (SSA) reasonably determines that the technical superiority and/or overall proposed approach and/or superior past performance of the higher priced Offeror outweighs the cost difference. To arrive at a best value decision, the SSA will integrate the source selection team's evaluations of the Offerors' proposals against the Evaluation Factors (described below). While the Government Source Selection Evaluation Team (SSET) and the SSA will strive for maximum objectivity, the source selection process, by its nature, is subjective and, therefore, professional judgment is implicit throughout the entire process.

Offerors are required to meet all solicitation requirements such as terms and conditions, representations and certifications, and technical requirements, in addition to those identified as factors and subfactors.

1.2 REJECTION OF UNREALISTIC OFFERS
The Government may reject any proposal that is evaluated to be unrealistic in terms of program commitments, including contract terms and conditions, or unrealistically high or low in cost when compared to Government

estimates, such that the proposal is deemed to reflect an inherent lack of competence or failure to comprehend the complexity and risks of the program.

1.3 COMPETITIVE RANGE
The Government may establish a competitive range consisting of those companies whose proposals are considered to be the most highly rated. The Government will consider, throughout the evaluation, the "correction potential" of any deficiency, proposal inadequacy, or weakness. The judgment of such "correction potential" is within the sole discretion of the Government. If an aspect of an offeror's proposal not meeting the Government's requirements is not considered correctable, the offeror may be eliminated from the competitive range.

1.4 COMPETITIVE ADVANTAGE FROM USE OF GFP
The Government will eliminate any competitive advantage resulting from an Offeror's proposed use of Government-Furnished Property (GFP).

1.5 SITE VISIT/ORAL PROPOSAL
The Government intends to conduct a site visit/oral proposal as part of this evaluation. The information gathered on this site visit/oral proposal is considered as part of the proposal and will be used in the Government's evaluation of the Mission Capability and Proposal Risk factors.

2.0 EVALUATION FACTORS AND SUBFACTORS AND THEIR RELATIVE ORDER OF IMPORTANCE
Award will be made to the Offeror with the most advantageous proposal to the Government based upon an integrated assessment of the evaluation factors and subfactors described below. The Mission Capability, Proposal Risk and Past Performance factors are of equal importance and each is more important than the Cost/Price factor. Within the Mission Capability and Proposal Risk factors, Architecture and Systems Engineering is more important than Integrated Processes.

Factor 1: Mission Capability
- Subfactor 1: Architecture and Systems Engineering Approach
- Subfactor 2: Integrated Processes

Factor 2: Proposal Risk
- Subfactor 1: Architecture and Systems Engineering Approach
- Subfactor 2: Integrated Processes

Factor 3: Past Performance

Factor 4: Cost/Price

In accordance with FAR 15.403(e), the evaluation factors other than cost when combined are significantly more important than cost; however cost will contribute substantially to the selection decision.

2.1 FACTOR AND SUBFACTOR RATING
A color rating, as described in AFFARS 5315.305 (a)(3)(A), will be assigned to each subfactor under the Mission Capability factor. The color rating depicts how well the Offeror's proposal meets the requirements of each Mission Capability subfactor. The color rating associated with each subfactor will be assigned in accordance with the evaluation criteria stated in Section M for each subfactor.

A proposal risk rating will be assigned to each of the Mission Capability subfactors as described in AFFARS 5315.305 (a)(3)(B). Proposal risk represents the risks identified with an Offeror's proposed approach as it relates to the Mission Capability subfactor.

A Performance Confidence Assessment will be assigned in accordance with AFFARS 5315.305(a)(2)(E) to the Past Performance factor. Performance confidence represents the Government's assessment of the probability of an Offeror successfully performing as proposed and is derived from an evaluation of the Offeror's present and past work record.

Cost/Price will be evaluated as described in paragraph 2.5 below.

When the integrated assessment of all aspects of the evaluation is accomplished, the color ratings, proposal risk ratings, performance confidence assessment, and evaluated Cost/Price will be considered in the order of priority listed in paragraph 2.0 above. Any of these considerations can influence the SSA's decision.

2.2 FACTOR 1: MISSION CAPABILITY
The Offeror's written proposal and the In-Plant-Review (site visit/oral proposal) will be used to evaluate the Mission Capability factor. Each subfactor within the Mission Capability factor will receive one of the color ratings described in AFFARS 5315.305(a)(3)(A), based on the assessed strengths, deficiencies, and proposal inadequacies of each Offeror's proposal as they relate to each of the Mission Capability subfactors. Subfactor ratings will not be rolled up into an overall color rating for the Mission Capability factor.

The Government will evaluate the proposal against the thresholds identified in the collateral SECRET Technical Requirements Document (TRD) and will evaluate the proposed approach for meeting these requirements.

The Government will evaluate the Offeror's ability to meet the ISPAN requirements contained in the Government TRD (GTRD) and the proposed Contractor's TRD (CTRD), and the Offeror's ability to meet the objectives of the Government's SOO within the Government's schedule requirements and budget limitations as identified in this RFP. Proposals that do not meet these performance, schedule and budget requirements may be considered to be deficient and non-competitive.
In arriving at a best value decision, the Government reserves the right to give positive consideration for performance in excess of the threshold requirements baseline, up to the objective requirements baseline, as defined in the TRD, TDD's, and SOO. In arriving at a best value decision, performance proposed as exceeding government requirements shall be considered only if it is included in the Contractor TRD or the Integrated Master Plan (IMP)/Integrated Master Schedule (IMS) or Performance Work Statement (PWS).

2.2.2 SUBFACTOR 1: ARCHITECTURE AND SYSTEMS ENGINEERING APPROACH
The Government will evaluate the Offeror's proposed ISPAN architecture, refinement, and systems engineering approach; and the architecture's ability to accommodate the ISPAN requirements and objectives, within the Government's schedule requirements and budget limitations as identified in this RFP. The Government will evaluate the following criteria:

a. The extent to which the proposed architecture facilitates migration from the current system with a smooth, risk-managed transition and no loss of operational capability, overall performance, or mission continuity.

b. The extent to which the proposed architecture facilitates migration to the objective system, seamlessly and efficiently incorporating the system functions.

c. The extent to which the proposed architecture will be an open architecture that avoids proprietary or single-source solutions and utilizes industry-accepted standards.

d. The extent to which the proposed architecture is scalable, extensible, and flexible to provide for the efficient implementation of changing requirements, to include future missions and system functions and changing guidance.

e. The extent to which the proposed architecture, integration strategy, and system functions are compatible with USSTRATCOM's C2 Modernization Programs and DoD enterprise initiatives (e.g., Network-Centric Enterprise Services (NCES) and Global Information Grid (GIG)).

f. The extent to which the proposed architecture will accommodate changes to the ISPAN computing environment and provide for insertion of new GOTS, COTS, and USSTRATCOM-unique applications in the future.

g. The extent to which the proposed architecture enables or supports multiple security levels and migration to an accreditable, multi-level security while efficiently supporting user business processes.

h. The extent to which proposed technical management leading indicators provide visibility into program dynamics and early indication of issues.

2.2.3 SUBFACTOR 2: INTEGRATED PROCESSES
The Government will evaluate the Offeror's integrated processes to ensure the proposed processes adequately support and are consistent with the proposed approach, schedules, and costs for all contract activities. The Government will evaluate the Offeror's integrated processes to ensure that the ISPAN activities and products provide an overarching, executable, and integrated solution set, consistent with the proposed ISPAN architecture, that satisfies the SOO objectives, Government TRD requirements, CTRD requirements, and all other contract requirements throughout the system lifecycle. The Government will assess the approach to providing appropriate insight into contractor processes and management systems. The evaluation will focus on: the Integrated Master Plan (IMP) and Integrated Master Schedule (IMS), risk management, systems engineering and software engineering management, integration, test, installation, and associate contractor and teaming agreements. The Government will assess the adequacy, maturity and the degree of integration of the proposed processes.

The government will assess the degree to which:

a. The offeror has clearly shown the correlation between the risk management process and how impacts in terms of cost, schedule and performance are integrated into the EVMS as well as IMS.

b. The IMP demonstrates crucial entrance and exit criteria that correlate to the software increment plan, IMS and the Performance Work Statement that provides detailed tasks driven from the SOO, Technical Direction Documents (TDD's), and TRD, to include contractor TRD (CTRD).

c. The software development and maintenance process(es) demonstrates a solid procedural control as recognized by independent certification organizations. Of particular interest will be the degree to which the offeror's procedures are defined, planned, tracked, and repeatable, and whether or not the processes are also quantitatively managed and/or incorporate a process for continuous improvement. Further, the government will assess the degree to which these processes are clearly used in the day-to-day operations of the business unit and that the offer demonstrates little impact whether using in-house or outsourced resources.

d. The Offeror has clearly shown it understands the Systems Engineering Management Process and its role/participation in that process.

e. Management of subcontracted opportunities demonstrates a adequate opportunities resulting in sufficiently complex and varied work meeting the goals of awarding at least 20% of subcontracted dollars to small business of which 5% (of the total) is to small disadvantaged business. In addition, among the subcontracting anticipated, the proposal demonstrates an adequate commitment to providing opportunities to historically black colleges and universities and minority institutions.

2.3 FACTOR 2: PROPOSAL RISK
Proposal Risk will be evaluated for each Mission Capability subfactor: 1) Architecture and Systems Engineering Approach, and 2) Integrated Processes. Proposal Risk assessment focuses on the weaknesses associated with an Offeror's proposed approach to each of the subfactors. This includes an assessment of the potential for disruption of schedule, increased cost, degradation of performance, and the need for increased Government oversight, as well as the likelihood of unsuccessful contract performance. For each risk identified by the government, the assessment also addresses the Offeror's proposal for mitigation of those weaknesses in the Mission Capability subfactors and why that approach is or is not manageable.

2.4 FACTOR 3: PAST PERFORMANCE
Under the Past Performance factor, the Performance Confidence Assessment represents the evaluation of an Offeror's and associated key or major subcontractors', teaming partners', and joint venture partners' past work records to assess the Government's confidence in the Offeror's probability of successfully performing as proposed. The Government will evaluate the Offeror's and all key or major subcontractors', teaming partners', and joint venture partners' demonstrated record of contract compliance in supplying products and services that meet user's needs, including cost and schedule. The Past Performance Evaluation is accomplished by reviewing the aspects of an

Offeror's and all key or major subcontractors', teaming partners', and joint venture partners' relevant past performance, focusing on and targeting performance that is relevant to the Mission Capability/Proposal Risk subfactors, but also including schedule and price/cost performance.

The Government will evaluate recent and relevant performance to determine the Government's confidence in the offeror's ability to successfully perform the ISPAN effort. In determining recency, the Government will only consider work performed for a three (3) year period ending with the date of the Final Proposal Revision (FPR) if discussions are conducted, or the date of proposal submission if there are no discussions. This will allow offerors to provide the most current past performance information for consideration. The Government will assess only contract efforts considered to be very relevant, relevant, or somewhat relevant for the prime and relevant for subcontractors, inter-divisional transfers, and partners in the determination of the Confidence rating. Subcontractors, inter-divisional transfers, and partners will be assessed as either relevant or not relevant; in order to be considered Relevant, the effort must have been performed by the same division, within the past three (3) years, and must have been the same type effort proposed for the ISPAN program. Prime's efforts must have been performed by the same division, and the relevancy for prime contractor's efforts will be based on the following criteria

1. The program involved development of architectures that were built on open standards, avoiding proprietary or single-source solutions.

2. The program involved development of architectures that were flexible, scaleable, and extensible to incorporate new requirements as the program progressed.

3. The program architecture required accommodating evolving technologies (e.g. XML, distributed collaboration, guard technologies, data distribution).

4. Program required the design and development of systems incorporating multiple security levels and/or multi-level security processes, equipment, and practices.

5. The program's software architecture and its associated processes included optimization functions

6. The program's software architecture and its associated processes included executive/workflow functions.

7. The program's software architecture and its associated processes included decision support functions, or provided data/information to decision support functions.

8. The program's software architecture and its associated processes included effects based planning functions.

9. The program's software architecture and its associated processes included measure of effectiveness ruleset management.

10. The program utilized evolutionary acquisition principles.

11. The program required Earned Value Management/Cost as an Independent Variable (CAIV) processes and tools.

12. The software development process supported management of multiple, interdependent software configuration baselines.

13. The program required teaming with Government, associate contractors, prime contractors, or subcontractors. The teaming approach required use of tools and procedures, allowing transfer and use of management and technical information between the various organizations.

14. The program required a subcontracting goal to small/disadvantaged business (SB/SDB), historically black colleges or universities (HBCU)s, and minority institutions (MI) which:

a. was greater than 20%, or

b. was greater than 10% and included either enforceable provisions or separate goals for the complexity and variety of work to be performed by SB/SDB/HBCU/MI.

15. The program required some personnel/access at the Top Secret/SIOP/ESI access or Top Secret/SCI or Top Secret/SAR levels.

16. The program required USSTRATCOM Domain Knowledge, Joint Domain Knowledge, or DoD Domain Knowledge in the OSD warfighter domain, C2 community of interest. "Joint" in this context includes programs conducted at/for unified or subunified commands, whether or not formally certified as a joint program.

In order to be considered Very Relevant, the past contract must demonstrate performance in criteria 1, 2, 15, and 16, and at least any nine of the remaining twelve criteria listed above. To be considered Relevant, the past contract must demonstrate performance in criteria 1, 2, 16, any eight of the remaining thirteen criteria listed above. To be considered Somewhat Relevant, the past contract must demonstrate performance in any nine of the sixteen criteria listed above.

Past Performance information may include data on efforts performed by other divisions, critical subcontractors, or teaming contractors, if such resources will be brought to bear or significantly influence the performance of the proposed effort. Past Performance data for subcontractors/teaming partners/joint venture partners proposed to contribute more than 20% of the overall effort may be submitted for the same evaluation consideration as the offeror. The Government may consider, for relevancy, efforts performed for agencies of the federal, state, or local governments and commercial customers where the performance can be independently verified. As a result of an analysis of these past efforts, each Offeror will receive a Performance Confidence Assessment, which is the rating for the Past Performance factor. Although the past performance evaluation focuses on performance that is relevant to the Mission Capability subfactors, the resulting Performance Confidence Assessment is made at the factor level and represents an overall evaluation of contractor performance.

Where relevant performance record indicates performance problems, the Government will consider the number and severity of the problems and the appropriateness and effectiveness of any corrective actions taken (not just planned or promised). The Government may review more recent contracts or performance evaluations to ensure corrective actions have been implemented and to evaluate their effectiveness.

Each Offeror will receive one of the ratings described in AFFARS 5315.305(a)(2)(E) Table 5315-2 for the Past Performance Ratings. Offerors without a record of relevant past performance or for whom information on past performance is not available will not be evaluated favorably or unfavorably on past performance and, as a result, will receive a "Neutral/Unknown Confidence" rating for the Past Performance factor. More recent and relevant performance will have a greater impact on the Performance Confidence Assessment than less recent or relevant effort. A strong record of relevant past performance may be considered more advantageous to the Government than a "Neutral/Unknown Confidence" rating. Likewise, a more relevant past performance record may receive a higher confidence rating and be considered more favorably than a less relevant record of favorable performance. Offerors are to note that, in conducting this assessment, the Government reserves the right to use both data provided by the Offeror and data obtained from other sources. Past performance information will be obtained through the Contractor Performance Assessment Reporting Systems (CPARS), similar systems of other Government departments and agencies, questionnaires tailored to the circumstances of this acquisition, Defense Contract Management Agency (DCMA) channels, interviews with program managers and contracting officers, and other sources known to the Government, including commercial sources.

2.5 FACTOR 4: COST/PRICE

The offeror's cost/price proposal will be evaluated for reasonableness and cost realism using one or more of the techniques defined in FAR 15.404. There is no rating (e.g., color, risk, etc.) associated with the Cost/Price factor.

Total Evaluated Cost/Price: The total evaluated cost/price for award purposes will be the sum of all priced Contract Line Items (CLINs), including options, as described below. The Government will evaluate the proposal for cost/price realism and consistency and determine the most probable cost to the Government based on the offeror's proposed approach. Proposals will be evaluated at the Government Estimate of Most Probable Cost (GEMPC) as determined by the Cost/Price Realism Assessment (CPRA), which will be calculated as follows:

(a) Cost Plus Award Fee (CPAF) CLINs will be evaluated at the Government estimate of most probable cost of performance plus the associated base fee and award fee in accordance with the Award Fee provision of this RFP.

(b) Additional, In scope tasks option CLINs 0040 (3600) and 0043 (3400), Cost Plus Award Fee (CPAF), will be evaluated by the effort proposed by the contractor against the total estimated cost/price, inclusive of all fees, of $93 million, as broken out by fiscal year in Section L, Table 5.1.

(c) Studies/Other Efforts/Miscellaneous Labor, Time and Materials (T&M) CLIN 0046 will be evaluated at an estimated amount of $100,000.

2.4.1 EVALUATION OF OPTIONS. Evaluation of options shall not obligate the Government to exercise such options.

2.4.2 COST REALISM ANALYSIS. The Government will evaluate the realism of each offeror's proposed costs. This will include an evaluation of the extent to which proposed costs indicate a clear understanding of the solicitation requirements, clearly identify the needed personnel to perform specific tasks of this solicitation, and reflect a sound approach to satisfying those requirements. The Cost/Price Realism Assessment (CPRA) will consider technical/management risks identified during the evaluation of the proposal and associated costs. Cost information supporting a cost judged to be unrealistically low or high and technical/management risk associated with the proposal will be quantified by the Government evaluators and included in the CPRA for each offeror. When the Government evaluates an offer as unrealistically low compared to the anticipated costs of performance and the offeror fails to explain its approach, the Government will consider, under the applicable Proposal Risk factor, the offeror's lack of understanding of the technical requirements of the corresponding Mission Capability factor.

3.0 PRE-AWARD SURVEY
The Government may conduct a Pre-Award Survey (PAS) as part of this source selection. Results of the PAS (if conducted) will be evaluated to determine each Offeror's capability to meet the requirements of the solicitation.

4.0 SOLICITATION REQUIREMENTS, TERMS AND CONDITIONS
Offerors are required to meet all solicitation requirements, such as terms and conditions, representations and certifications, and technical requirements, in addition to those identified as factors and subfactors to be eligible for selection. Failure to comply with the terms and conditions of the solicitation may result in the Offeror's proposal being deemed unresponsive and being removed from consideration for selection. Any exceptions to the solicitation's terms and conditions must be fully explained and justified.