2. Amendment/Modifica	tion No.	J. Effective Date	4. Requisition/Furchase Req	No.	5. Project N	o. (If applicable)		
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RAYTHEON COMPANY 350 LOWELL ST AMOUVER, NA OISL		eet, City, County, State and i	Zip Code)	9A. Amendraes 9B. Dated (See	Item 11)			
			×	10A. Medificat	ion Of Contra	ct/Order No.		
Type and Meds. (	arge Guelowse Perf	lavador in ti ¢		W31P4Q 10 C-	-			
Code 05716	Facility Code	Diming to 0.5.		10B. Dated (Se 2023HAR 7	e-Item 13)			
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			the hour and date specified for					
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SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE PURPOSE OF THIS MODIFICATION (P00035) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION, PURSUANT TO SECTION H-7 TO THE CONTRACT ENTITLED "OPTIONS" THE US GOVERNMENT HEREEY EXERCISES
TOTAL LABOR FROM CLIN 0005.

A-5 AS A RESULT OF THIS MODIFICATION SLINS 0005AC AND 0005AD ARE ESTABLISHED IN THE TOTAL AMOUNT OF

CLIN ESM PRON HOURS DOLLAR

0005AC PM/CM13-01 4M2J722000

TOTAL

FOR THE ACCOMPLISHMENT OF TASKS UNDER THE NEWLY ESTABLISHED SLINS: 0005AC AND 0005AD HAVE A PERIOD OF PERFORMANCE FROM 1 OCTOBER 2012 THROUGH 25 JANUARY 2013.

A-6 THE BREAKOUT OF ASSOCIATED COSTS FOR SLINS 0005AC AND 0005AD ARE REFLECTED IN SECTION 8 OF THIS MODIFICATION.

A-7 AS A RESULT OF THIS MODIFICATION, THE TOTAL CONTRACT OBLIGATED AMOUNT IS INCREASED BY \$94,334 FROM \$8,346,997 TO \$8,441,331.

A-8 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0035 \*\*\*

Reference No. of Document Being Continued PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00035

Page 3 of 7

TTEM NO	rer er Contractor: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
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			1 1		
0005	FY13 OPTION PERIOD JUENS HNG SRVS	+:			
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	1		1 1		
	PY13 Labor Material Total		1		
	PCL COST		1 1		
	G&A		1	- 1	
	TCL COST (W/O COM)				
	COST OF MONEY		- 1		
	FRE		1		
	CPFF				
	I.		1 1		
	Rours Hours		1 1	1	
	Description				
	-EM/CN				
	ENGINEERING PRODUCT ASSUR/TES				
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	TOTAL		1 1		
		1			
	Material Material		1 1		
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Page 4 of 7

ITEM NO	FOR OF CONTRACTOR: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	COMPOSITE HOURLY RA			2,77	1013 0.11
	(End of narrative B001)				
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin				
	Deliveries or Performance DLVR SCR PERF COMPL REL CD QUANTITY DATE 001 25-JAN-2013				
005AD	PM/CM13-01				
	NOTA: 12794 PM/CM FY12 OPT PRON: 4M2J722000 PRON AMD: 01 ACRN: AG			-	
	Estimated Cost COM Fixed Fee Total	*			
	SSM Description PM/CM13-01 MATERIAL				
	COMPOSITE HOURLY RATE				
	(End of narrative BO01)				
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin				2
	Deliveries or Performance  DLVR SCH PERF COMPL  REL CD QUANTITY DATE  001 25-JAN-2013				

Reference No. of Document Being Continued

Page 5 of 7

PHN/SHN W31P4Q-10-C-0003

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ITEM NO		RAYTHEON COMPAN		QUANTITY	UNIT	UNIT PRICE	AMOUNT
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Name o	f Offeror or	Contract	OF: RAYTHEON COMPANY					3.95				*
ECTION	G - CONTRAC	T ADMINIS	TRATION DATA									
	PRON/											
	AMS CID/	OBLG	JO NO/					INCRE	CASE/		COMUL	ATIVE
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Page 7 of 7

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Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

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PHN/SHN W31P4Q-10-C-0003

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EY13 ESM Program Management / Configuration Management W31P  3 Martine Collection by Program Management Performance 4 Months (1 October 2012 – 1/25/2013) of Program Management Performance Management functions for the JLENS Engineering Services Program to include  Program Management  Finance Support  Develop support plan for ESMs and Sub-ESMs are required  Develop PM and Financial CDRLs for ESM  Data Management  SME Support  Travel time  Program reviews and packages  GOVERNMENT PURNASHED EQUIPMENT  Date REQUIRED  METURN DATE  GOVERNMENT PURNASHED  GOVERNM	The state of the s	M POMI 511-31-01
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# **ENGINEERING SERVICES MEMORANDUM**

FORM \$H-31-00-04

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W31P4Q-10-C-0003 MOD P00003S
ATTACHMENT 0045
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2. Amendment/Modification No.	SEP 2 0 2012	4. Requisition/Purchase Re		5. Project No	. (If applicable)	
6. Issued By	Code W31P40	7. Administered By (If other	r than Item 6)		Code	52205/
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B. Name And Address Of Contractor (No.	, Street, City, County, State and	Zip Code)	9A. Amendme	ent Of Solicitatio	in No.	
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#### CONTINUATION SHEET

#### Reference No. of Document Being Continued

MOD/AMD P00036

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE PURPOSE OF THIS MODIFICATION (P00036) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS OF MODIFICATION, THE REALIGNMENT OF THE FOLLOWING ENGINEERING SERVICES MEMORANDUM IS AS FOLLOWS:

SLIN 0004AC (LABOR)

 FROM
 TO

 HOURS
 HOURS

 COST
 COST

 COM
 COM

 FEE
 FEE

 TOTAL
 TOTAL

A-3 AS A RESULT OF THIS MODIFICATION SLIN 0004AN IS ESTABLISHED IN THE AMOUNT OF

DOLLARS

AND IS REFELCTED AS FOLLOWS:

SLIN

ESM

PRON

HOURS

0004AN E

EN12-02

INCREASED BY A TOTAL AMOUNT OF

4M2J713900

A-4 AS A RESULT OF THIS MODIFICTATION SLIN 0004AC IS REVISED TO SHOW THE DIRECT LABOR HOURS RE-ALIGNED TO SLIN 0004AN AS THE MATERIAL/ODC. SLIN 0004AC REDUCED BY HOURS. CLIN 0004AN IS

A-5 BY EXECUTION OF THIS MODIFICATION, THE FOLLOWING SLINS IN SECTION J ARE REFLECTED AS REVISED ENGINEERING SERVICES WITH PERIOD OF PERFORMANCE EXTENSIONS.

SLIN

ESM

PERIOD OF PERFORMANCE EXTENSION

FROM

TO

0004AC EN12-02 REV A

2012 SEP 30

2012 DEC 14

0004AN EN12-02 REV A

2012 SEP 30

2012 DEC 14

0003AU B11-04 REV C

2012 SEP 30

2012 OCT 28

A-6 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0036 \*\*\*

# CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00036

Page 3 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
	9				
UAEOO	FY11 OPTION ESM EN11-04		1 1		\$
			1 1		
	NOUN: 10050				
	PRON: 4M1J741800 PRON AMD: 01 ACRN: AC AMS CD: 172419E5551		1 1		
	NO CD: 17241783331		1 1		
	Townships and Named town		1 1		
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin		1 1		
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	Deliveries or Performance			1	
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			1 1		
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	TCL COST (W/O COM)				
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	CPFF		1 1		
			1		
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	Description Hours Exercised Remaining	. 1		1	
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	TOTAL		1 1		
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	Description Material Exercised Remaining				
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	COMPOSITE HOURLY RATE IS FOR				
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	(End of narrative B004)				

CONTINUATION SHEET

# Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00036

Page 4 of 7

Name of Offeror or Contractor: RAYTHRON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0004AC FY12 OPTION ESM EN12-02 NOUN: 9093 CMDS SIL IV&V S PRON: 4M2J713900 PRON AMD: 02 ACRN: AD AMS CD: 172419E555L SLIN 0004 FROM BY TO DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL EST COST COM FIXED PEE TOTAL DESCRIPTION EN12-02 REV A ENG LABOR COMPOSITE HOURLY RATE IS (End of narrative B002) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 14-DEC-2012 0004AN FY12 OPTION EN12-02 NOUN: 9093 CMDS SIL IVEV S PRON: 4M2J713900 PRON AMD: 02 ACRN: AD AMS CD: 172419R555L Estimated Cost \$ COM Fixed Fee Total

# CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00036

Page 5 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT ESM Description Hours EN12-02 MATERIAL COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance ACCEPTANCE: Destination INSPECTION: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 14-DEC-2012

# CONTINUATION SHEET

## Reference No. of Document Being Continued

MOD/AMD P00036

Page 6 of 7

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

2

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/ LINE OBLG JO NO/ ITEM MIPR STAT ACCT ASSIGN 0004AC 4M2J713900 2 24MJLE 172419E555L

0004AN 4M2J713900

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24MJLE

ACRN

AD

AD

INCREASE/ PRIOR AMOUNT DECREASE

NET CHANGE \$ 0.00

CUMULATIVE

AMOUNT

ACRN ACCOUNTING CLASSIFICATION

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W31G3H

INCREASE/ DECREASE

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PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

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NET CHANGE FOR AWARD:

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8,441,331.00

LINE ITEM

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CONTINUATION SHEET

# Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00036

Page 7 of 7

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of			Number	
Addenda	Title	Date	of Pages	Transmitted By
Attachment 0036	ENGINEERING SERVICES MEMORANDUM EN12-02 REV "A"	13-SEP-2012	002	EMAIL
Attachment 0038	ENGINEERING SERVICES MEMORANDUM (ESM) EN11-04 REV "C"	14-SEP-2012	002	EMAIL

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W31P4Q-10-C-0003 Attachment 0036 Page 2 of 2 Date: SEP 2 0 2

SEP 2 0 2012

MAYTHEON COMPANY

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W31P4Q-10-C-0003 Attachment 0038 Page 2 of 2 Date: SEP 2 0 20

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2. Amendment/Modification No.	SEP 2 0 2012	4. Requisition/Purchase Reg No. SEE SCHEDULE					
6. Issued By	Code W31P40	7. Administered By	(If other	than Item 6)		Code S220	
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RAYTHEON COMPANY							
ANDOVER, HA G1810-4400		4	1 [	9B. Dated (Se	e Item 11)		
			×	TOA. Modifice	ilon Of Contra	et/Order No.	
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TYPE BUSINESS: Large Business	Performing in U.S.		1	108. Dated (S	The state of the s		
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CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 7

PIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00037

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE PURPOSE OF THIS MODIFICATION (P00037) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION, PURSUANT TO SECTION H-7 TO THE CONTRACT ENTITLED "OPTIONS" THE US GOVERNMENT HEREBY EXERCISES TOTAL LABOR FROM CLIN 0005.

A-5 AS A RESULT OF THIS MODIFICATION SLINS 0005AE AND 0005AF ARE ESTABLISHED IN THE TOTAL AMOUNT OF FOLLOWS:

 CLIN
 ESM
 PRON
 HOURS
 DOLLAR

 0005AE
 EN13-03
 4M2J722100

 0005AF
 EN13-03
 4M2J722100

TOTAL

FOR THE ACCOMPLISHMENT OF TASKS UNDER THE NEWLY ESTABLISHED SLINS: 0005AE AND 0005AF HAVE A PERIOD OF PERFORMANCE FROM 1 OCTOBER 2012 THROUGH 30 AUGUST 2013.

A-6 THE BREAKOUT OF ASSOCIATED COSTS FOR SLINS 0005AB AND 0005AF ARE REFLECTED IN SECTION B OF THIS MODIFICATION.

A-7 BY EXECUTION OF THIS MODIFICATION, THE

ATTACHMENT TITLE ATTACHMENT NUMBER

TDF RESTRICTED RIGHTS LICENSE DGMT07D0DTDF 0047

INARY CODE LICENSE 0048

IDENTIFICATION AND ASSERTION OF RESTRICTIONS 0049

A-8 AS A RESULT OF THIS MODIFICATION, THE TOTAL CONTRACT OBLIGATED AMOUNT IS INCREASED BY \$5,004,299 FROM \$8,441,331 TO \$13,445,630.

A-9 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0037 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00037

Page 3 of 7

Name of Offerer or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 PY13 OPTION PERIOD JLENS ENG SRVS Labor FY13 Meterial Total PCL COST G&A TCL COST (W/O COM COST OF MONEY PEE CPFF Hours Hours Description PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Exercised Remaining Description RSTIMATED COST COST OF MONEY FIXED FEE COMPOSITE HOURLY RATE IS FOR (End of narrative B003) OOOSAE FY13 OPTION EN13-03 LABOR NOUN: #11904 JLENS PRON: 4M2J722100 PRON AMD: 01 ACRN: AH Estimated Cost COM Pixed Fee Total BSM Description EN13-03

Reference No. of Document Being Continued

PHN/SIIN W31P4Q-10-C-0003

MOD/AMD P00037

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO UNIT UNIT PRICE AMOUNT SUPPLIES/SERVICES QUANTITY COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance ACCEPTANCE: Destination INSPECTION: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE QUANTITY 30-AUG-2013 001 0005AF FY13 OPTION EN13-03 MATERIAL/ODC NOUN: #11904 JLENS PRON: 4M2J722100 PRON AMD: 01 ACRN: AH Estimated Cost COM Fixed Fee Total ESM Description EN13-03 MATERIAL COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 30-AUG-2013 001

Reference No. of Document Being Continued PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00037

Page 5 of 7

Name of Offerer or Contracts

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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00037

Page 6 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

LINE AMS CD/ ITEM MIPR 0005AE 4M2J722100

0005AF 4M2J722100

OBLG 2

2

STAT ACCT ASSIGN A.0000013.1.2

A.0000013.1.2

ACRN AH AH

PRIOR AMOUNT NET CHANGE

INCREASE/ DECREASE 5,004,299.00 CUMULATIVE AMOUNT

AH

ACRN ACCOUNTING CLASSIFICATION

021 201220132040

A5XFJ 172419B55FPDG 251C L032089789 A.0000013.1.2

INCREASE/ DECREASE 021001 \$ 5,004,299.00

NET CHANGE \$ 5,004,299.00

OF AWARD

INCREASE/DECREASE

CUMULATIVE

NET CHANGE FOR AWARD: \$

8,441,331.00

AMOUNT 5,004,299.00

OBLIG AMT 13,445,630.00

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0005AF

AH

ACRN RDI/SPIS ACCOUNTING CLASSIFICATION

ITEM 0005AE AH

021 201220132640

A5XFJ 172419B55F9DG

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021001

## Reference No. of Document Being Continued

PIIN/SIIN W31P40-10-C-0003

MOD/AMD P00037

Page 7 of 7

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of			Number	
Addenda	Title	Date	of Pages	Transmitted By
Attachment 0046	ENGINEBRING SERVICE MEMORANDUM EN13-03	07-SEP-2012	002	BMAIL
Attachment 0047	TOF RESTRICTED RIGHTS LICENSE DGMT07DGDTDF	14-SEP-2012	007	EMAIL
Attachment 0048	BINARY CODE LICENSE	17-SBP-2012	002	BMAIL
Attachment 0049	IDENTIFICATION AND ASSERTIONS OF RESTRICTIONS	17-SEP-2012	001	EMAIL

RAYTHEON COMPANY

		AND MISSILE			EN13-0	3	
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OJECT TITLE				CONTRACT NO.	9/7/2012		
LENS COST REDUCT	tion Initiative			W31P4Q-10	-C-0003		
8/30/2013	AM .			COSY ACCOUNT			
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ATTACHMENT0046
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RAY 100529

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

DI FERRIS CONTRACTOR C				EN13-03	
DESCRIPTION OF PROPOSED WORK (CON'T)					
Configuration. Provide a CD in the form of implementation. PDR 16. Create and provide simulations that support the CD in the C	recommended req f draft NOR/RFDs level of design ma nulations and/or er	uirements chan that would facil terial is not part nulators to repr analysis in the	litate a JLFs.  t of this esent the redesigned government's System integre e determination of JLENS	alterna	to
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SEP 2 0 2012

# RESTRICTED RIGHTS LICENSE – LICENSE NUMBER DGMT07DODTDF (ATTACHMENT 14)

This	
is entered into as of the 25th day of January 2008 (the "Effective Date"), by and betw	veen
Raytheon Company, a corporation organized and existing under the laws of the Stat	e of
Delaware, and having offices at	and
thru its wholly owned subsidiary, a Maryland corporation (hereing	after
"Raytheon") and the Department of Defense (DoD) and any succeeding United St	tates
Government agency to the mission and goals of the DoD (hereinafter collectively referred t	to as
"Licensee"), either or both of which may also hereinafter be referred to as the "Party	" or
"Parties," respectively.	
700 to 150 to	

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ATTIACH/MENT/0047

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Proprietary Information.

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  - The scheduled performance date for the payment due hereunder is not met through no fault of Raytheon;
  - ii. The Defaulting Party commits a material breach in the performance of any obligations or covenants under this License and does not cure such breach within sixty (60) days after the date of written notice from the non-Defaulting Party;
  - iii. Any representation or warranty made by the Defaulting Party hereunder is breached and remains uncured for sixty (60) days after the date of written notice from the non-Defaulting Party.
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- (b) In the event of termination of this License as a result of default or violation of its obligations regarding the use and/or disclosure of the Licensed Software and Licensed Software Documentation by the Licensee the following provisions shall apply:
  - Licensee shall, expeditiously and promptly, return to Raytheon, all documentation and other materials containing a disclosure of Proprietary Information.
  - (ii) All rights and licenses granted hereunder by Raytheon shall cease and be terminated immediately as of the effective date of the termination and Licensee shall immediately cease all further use of Proprietary Information.

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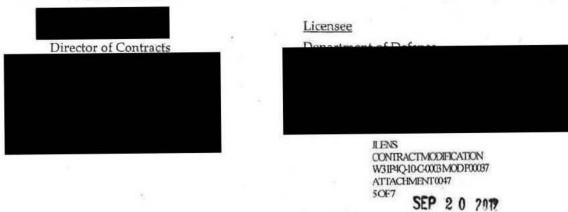
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 Effectiveness of License. This License shall not be effective until it has been completed and executed by a duly authorized officer of Raytheon and Licensee;

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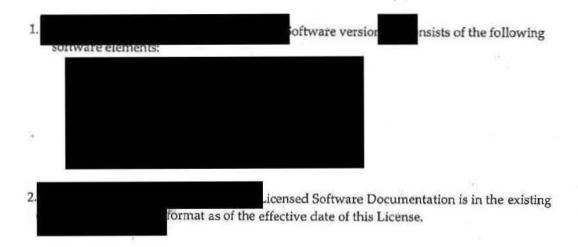
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#### UNITED STATES GOVERNMENT



CONTRACTMODIFICATION W3IP4Q-10-C003MODP0087 ATTACHMENT0047

# ATTACHMENT (14) EXHIBIT A DETAILED SPECIFICATIONS



(End of Summary of Changes)

SEP 2 0 2000

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CONTRACTIMODIFICATION
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ATTACHMENT0048

OF2 SEP 2 0 2012

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.ENS ONTRACT/MODIFICATION V31P4Q-10-C-0003/MODP00037 JTACHMENT 0048 OF2

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5)	Code S2205
E A	ADP PT HQ0337
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(See Item 11)	11)
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Offers	
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000540 CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00038

Page 2 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

PIIN/SIIN W31P40-10-C-0003

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING AMOUNTS TOTALING

ARE DEOBLIGATED FROM THE FOLLOWING CLINS:

DECREASED CRN CLIN ACRN AMOUNT FROM 4M1J733700 0003AK AC 4M1MMICST2 0003AM AC 4M1J740400 0003AN AC 4M1J740900 0003AR AC 4M1J740700 0003AS AC 4M1J740700 0003AT AC

A-3 BY EXECUTION OF THIS MODIFICATION SECTION B REFLECTS THE DEOBLIGATION OF THE AMOUNTS LISTED ABOVE.

A-4 BY EXECUTION OF THIS MODIFICATION SECTION B REFLECTS FOLLOWING CORRECTIONS BELOW.

0003AM PERIOD OF PERFORMANCE

FROM TO

2012 MAR 31 2012 MAY 31

0003AN HOURS REFERENCED FROM MOD P00016

FROM

0003AS HOURS

FROM TO

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT IS DECREASED BY AN OBLIGATED AMOUNT OF \$100,742.00 FROM \$13,445,630.00 TO 413,344,888.00.

A-6 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0038 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHIN/SHN W31P4Q-10-C-0003

MOD/AMD P00038

Page 3 of 6

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0003	SIL/IV&V SPT - 6075				
0003AK	FY11 OPTION ESM E10-01-01B MATERIAL/ODC				\$
	NOUN: SIL/IV&V SPT - 6075 PRON: 4M1J733700 PRON AMD: 03 ACRN: AC AMS CD: 172419E5551		- 1		
	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination	* *			
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2012				
оозам	FY11 OPTION ESM EN11-02 MATERIAL/ODC  NOUN:  PRON: 4M1MMICST2 PRON AMD: 02 ACRN: AC  AMS CD: 172419E5500				
	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 31-MAY-2012				
03AN	PY11 OPTION ESM EN11-03 LABOR		HR		\$
	NOUN: PRON: 4M1J740400 PRON AMD: 03 ACRN: AC AMS CD: 172419E5551				
	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance				

000542 CONTINUATION SHEET

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00038

Page 4 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES UNIT UNIT PRICE AMOUNT QUANTITY DLVR SCH PERF COMPL REL CD DATE 001 30-NOV-2011 0003AR FY11 OPTION ESM LOG11-02 MATERIAL/ODC NOUN: PERFORM INTERIM SPT PRON: 4M1J740900 PRON AMD: 01 ACRN: AC AMS CD: 17241985551 Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL QUANTITY REL CD DATE 001 31-OCT-2012 0003AS HR FY11 OPTION ESM LOGI1-01 LABOR NOUN: PRE-LRIP WHOLE LIFE PRON: 4M1J740700 PRON AMD: 02 ACRN: AC AMS CD: 172419E5551 Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 30-SEP-2012 0003AT FY11 OPTION ESM LOG11-01 MATERIAL/ODC NOUN: PRE-LRIP WHOLE LIFE PRON: 4M1J740700 PRON AMD: 02 ACRN: AC AMS CD: 172419E5551 Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination

Redactions per (b)(4)

000543

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00038

Page 5 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO AMOUNT SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2012

Redactions per (b)(4)

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P00039	OCY 3 1 2012	4. Requisition/Purchase Re-	No. S. Project	No. (if applicable)
6. Issued By	Code W31P40	7. Administered By (If other	than Item 6	Code S2205
REDSTONE ARSENAL AL 15898-	EDSTONE	DCMA RAYTHEON TENK 50 APPLE HILL DRIV M/S T2FR2 TENKSBURY NA 0187	6	3210
	7			
RAYTHEON COMPANY	(No., Street, City, County, State and	Zip Code)	9A. Amendment Of Solicits	tion No.
350 LOWELL ST ANDOVER, MA 01810-4400			9B. Dated (See Item 11)	
		×	IDA, Modification Of Cont	ract/Order No.
			10B. Dated (See Item 13)	
Code 05716 Facility (	Code		2003MAR1"	
	II. THIS ITEM ONLY APPLI	ES TO AMENDMENTS OF	SOLICITATIONS	
hour and date specified.	1800 - 10	akes reference to the solicitation	n and this unrendment, and is	ready submitted, such change received prior to the opening
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Redactions per (b)(6)

000546

**CONTINUATION SHEET** 

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00039

Page 2 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: Buyer Office Symbol/Telephone Number:

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

Kind of Modification: Administration Notice

End of Narrative A0000.

CONTINUATION SHEET

Reference No. of Document Being Continued
Page 3 of 5

PIIN/SIIN W31P4Q-10-C-0003
Page 3 of 5

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE PURPOSE OF THIS MODIFICATION (P00039) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31F4Q-10-C-0003.

A-2 AS A RESULT OF THIS MODIFICATION, THE PERIOD OF PERFORMANCE FOR ESM EN12-03 REV B IS EXTENDED FROM 31 OCT 12 TO 21 DEC 12.

A-3 AS A RESULT OF THIS MODIFICATION, THE TOTAL CONTRACT OBLIGATED AMOUNT IS UNCHANGED.

A-4 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0039 \*\*\*

### CONTINUATION SHEET

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00039

Page 4 of 5

TEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
	Services of Services in Theory (1971)				
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	GENERIC NAME DESCRIPTION: 11466 PRON: 4M2J715400 PRON AMD: 02 ACRN: AD				
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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00039

Page 5 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Number Addenda Date of Pages Transmitted By Attachment 0043 ENGINEERING SERVICES MEMORANDUM (ESM) EN12-03"B" 04-SEP-2012 002

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	S. ARMY AV REDSTO		N AND MI			)	EN12-00 DATE 10/24/201	
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COMPLETION	DATE OF ESM					W31P4Q-	10-C-0003	
12/21/2012		4						
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CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00039 ATTACHMENT 0043 1 OF 2 OCT 3 1 2012

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# **ENGINEERING SERVICES MEMORANDUM**

				ESM NO	EN12-03B	
DESCRIPTION OF PROPOSED WORK (CONT)						
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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00039 ATTACHMENT 0043 2 OF 2

OCT 3 1 2012

Redactions per (b)(6),

000553

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 4

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00040

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:
Buyer Office Symbol/Telephone Number:
Type of Business: Large Business Performing in U.S.
Surveillance Criticality Designator: A
Kind of Modification: Administration Notice

End of Narrative A0000.

000554 CONTINUATION SHEET

### Reference No. of Document Being Continued

MOD/AMD P00040

Page 3 of 4

PHN/SHN W31P4Q-10-C-0003

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE PURPOSE OF THIS MODIFICATION (P00040) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 AS A RESULT OF THIS MODIFICATION, ATTACHMENT 0049 REVISION "B" IS INCORPORATED INTO SECTION J.

A-3 AS A RESULT OF THIS MODIFICATION, THE TOTAL CONTRACT OBLIGATED AMOUNT IS UNCHANGED.

A-4 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0040 \*\*\*

CONTINUATION SHEET

### Reference No. of Document Being Continued

MOD/AMD P00040

Page 4 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0049 Number

Date

IDENTIFICATION AND ASSERTIONS OF RESTRICTIONS REV "B"

24-OCT-2012

of Pages Transmitted By 001 EMAIL

PIIN/SIIN W31P4Q-10-C-0003

# Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Noncommercial Technical Data and Noncommercial Computer Software and Noncommercial Computer Software Documentation

The Contractor asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following computer software should be restricted:

Computer Software/ Computer Documentation/Technical Data to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
	Developed Exclusively at Private Expense	Restricted Rights	Raytheon Company

- \* Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions on the Government's rights to use, release, or disclose computer software.
- \*\* Indicate whether development was exclusively or partially at private expense. If development was not at private expense, enter the specific reason for asserting that the Government's rights should be restricted.
- \*\*\* Enter asserted rights category (e.g., restricted or government purpose rights in computer software, government purpose license rights from a prior contract, rights in SBIR software generated under another contract, or specifically negotiated licenses).
- \*\*\* \*Corporation, individual, or other person, as appropriate.

Date: 23 Feb	ruary 2012		
Printed Nam	e and Title		
Signature:	÷		

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numbered solicitation is amended as	set forth in Item 14. T	he hour and date speci	fled for	receipt of Offer	\$	
ended. is not extended.						
cknowledge receipt of this amendme	ent prior to the hour or	ed date specified in the	solicitati	on or as amend	ed by one of th	e following methods:
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Amendmen/Modification (Organ	nized by UCF section he	endings, including solic	itation/c	ontract subject	matter where	feasible.)
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### Redactions per (b)(6)

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00041

Page 2 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name

Buyer Office Symbol/Telephone Number

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A Kind of Modification: Administration Notice

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUMS ARE INCOPORATED IN SECTION J.

A-3 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS UNCHANGED.

A-4 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0041 \*\*\*

CONTINUATION SHEET

### Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00041

Page 3 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0003 FY 11 OPTION PERIOD JLENS ENG SRVS PY11 LABOR MATERIAL TOTAL PCL COST GGA TCL COST (W/O COM) COST OF MONEY FEE CPFF MATERIAL MATERIAL DESCRIPTION MATERIAL EXERCISED REMAINING ESTIMATED COST COST OF MONEY FIXED FEE CPFF PM/CM HNG PA/TEST LOG TOTAL (End of narrative B004)

CONTINUATION SHEET

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00041

Page 5 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of			Number	
Addenda	Title	Date	of Pages	Transmitted By
Attachment 0017	ENGINEERING SERVICES MEMORANDUM EN 11-03 REV D	28-SEP-2012	002.	EMAIL
Attachment 0033	ENGINEERING SERVICES MEMORANDUM EN11-02 REV C	28-SEP-2012	002	EMAIL
Attachment 0034	ENGINEERING SERVICES MEMORANDUM LOG11-02 REV D	20-SEP-2012	002,	EMAIL
Attachment 0035	ENGINEERING SERVICES MEMORANDUM EN10-01-01 REV E	28-SEP-2012	002	EMAIL
Attachment 0040,	ENGINEERING SERVICES MEMORANDUM (ESM) LOG11-01 REV C	28-SEP-2012	002	EMAIL

000561 RAYTHEON COMPANY

# **ENGINEERING SERVICES MEMORANDUM**

FORM 6H-31-00-04

	U.S. ARMY AVIATIO REDSTONE A	N AND MISSILE RSENAL, ALAE		ESM NO.  EN11-0  DATE  12/5/2012	3 – Rev "D"
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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00041 ATTACHMENT 0017 1 OF 2 0 7 2012

## **ENGINEERING SERVICES MEMORANDUM**

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JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00041
ATTACHMENT 0017
2 OF 2 DEC 0 7 2012

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

	U.S. ARMY AVIATION	ON AND MISSILE ARSENAL, ALAE	COMMAND BAMA		EN11-02	REV "C"
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CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P000041
ATTACHMENT 0033
1 OF 2
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Redactions per (b)(3)

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# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

ESM NO.

EN11-02 Rev "C"

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ESCRIPTION OF	PROPOSED	WORK	(CON'T)	١

Included herewith, for informational purposes only, are scope summaries for the remaining three (3) phases. These phases will be proposed as follow-on efforts:

- Phase 2: This will be a detailed study phase consisting of the following two (2) steps:
  - Quantify the impact that the interference has on the performance of both the SuR and FCR and
    ascertain the improvement that the proposed solutions provide. The solutions will be iterated during
    this step. This step will also use the tactical code where possible to verify the interference impact on
    the JLENS orbit. No modifications to the tactical code will be made during this step.
  - Based on the data available, generate a cost and schedule estimate to implement the solutions derived in Phase 1.
- <u>Phase 3</u>: During this phase, agreed upon design changes will be implemented. SIL testing will be included in this phase.
- Phase 4: This phase will consist of outdoor testing using actual man made interference

  The location of this testing will be determined at a later date, however, it is understood that some will be conducted at Pelham, NH and that some will be conducted at UTTR and/or WSTC. This phase will also include Software and Hardware regression testing.

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Redactions per (b)(4), (b)(6)

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04					
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U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA

LOG11-02 REV "D"

	09/28/2012	
Perform Interim Support Business Case Analysis (BCA)	W31P4Q-10-C-0003	
10/31/2012	COST ACCOUNT	

The purpose of JLENS Interim Support is to provide total or partial logistics support until a formal, long term government maintenance capability is developed. As required by the Government, JLENS Interim Support may include all services, supplies, and management necessary to field, operate, maintain and support the JLENS SDD Orbits I and 2 after their acceptance by the Government. Interim support tasks may include site development, system deployment, installation, field and depot level support, Field Support Representatives (FSRs), stock, storage and issuance of spares and repair parts, the providing of an Inventory Control Point, system upgrades (ECPs) for growth/technology insertion, software maintenance/updates, training, training support and updates to existing training material, updates to technical documentation, and necessary project management, systems engineering and configuration management activities.

To cost effectively develop and execute interim support consistent with the mission and operations requirements and sustainment metrics defined by the Government, modeling and simulation, analyses, and trade studies will be performed as part of a

GOVERNMENT PARMISHED EQUIPMENT	DICTE REQUIRED	METURN DATE	CONDITION OF RETURN
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Exhibiting PoP for SUBCLIN 0003AQ from 9/30/2011 to 9/30/2012 and SUBCLIN 0003AR from 6/01/2011 to 9/30/2012.

w "B" - Moves under SLIN 0003AR-material dollars to SLIN 0003AQ - Labor dollars.

"C" - Externds the PoP from 9/30/2012 to 10/31/2012

w "D" - Deolotigates FY11 Funding

RAYTHEON COMPANY

Redactions per (b)(3)(A)(i) and Title 10 Sec.130 (a)(c)

000566

**ENGINEERING SERVICES MEMORANDUM** 

FORM 5H-31-00-04

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FORM 5H-31-00-04

000567

# **ENGINEERING SERVICES MEMORANDUM**

M NO.

U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA

LOG11-01 Rev "C"

	9/28/2012	
Provide JLENS Pre-LRIP Whole Life Availability Management	CONTRACT NO. W31P4Q-10-C-0003	
9/30/2012	COST ACCOUNT	

DESCRIPTION OF PROPOSED WORK

JLENS Whole Life Availability Management includes ongoing, pre-LRIP review, identification and mitigation analyses of actual and potential availability risks that will impact production of the system over the contract period of performance as well as initial sustainment as of sell-off. Availability Management will effectively integrate parts availability, COTS EOL (End Of Life) & EOSL (End Of Service Life), interchangeability and substitutability, part replacement locating, supplier interface, technology insertion, reliability performance, and inventory management. JLENS Availability Management consists of four components: 1) Availability Management planning, 2) development and coordination of mitigation strategies, 3) transfer of Availability Management results to JPO for incorporation into their controlled website and 4) delivery of Availability Management planning and assessment reports.

(continued below)

GOVERNMENT PURMISHED EQUIPMENT	DATE REQUIRED	RETURN DATE	CONDITION OF RETURN
To be specified in Sub-ESMs as required			

RESULTING DOCUMENTATION, HARDWARE, BENEFITS AND DELIVERY DATE

To be specified in Sub-ESMs as required

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EXPLANATION OF PREVISION

REV "A" - Extend PoP for SUBCLINs 0003AS and 0003AT from 9/30/2011 to 8/31/2012.

REV "B" - Extend PoP for SUBCLINs 0003AS and 0003AT from 8/31/2012 to 9/30/2012.

Rev C - Deoblingates FY11 funding

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JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00041
ATTACHMENT 0040
1 OF 2 DEC 0 7 2012

### **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

M NO. LOG11-01 REV "C"

DESCRIPTION OF PROPOSED WORK (CON'T)

### 1. Perform Availability Management Planning

Organization of tasks required to perform Availability Management in preparation for JLENS LRIP. Includes scheduling, prioritization, migration of lessons learned, system level oversight of End of Life/End of Service Life (EOL/EOSL) thresholds for all externally procured and internally fabricated Lowest Replaceable Units(LRUs) throughout the system's POP (March 2011- May 2012). Also includes establishment and oversight of system Availability Risk Level (ARL) and development and implementation of asset availability and obsolescence mitigation strategies. Additionally provide Availability Management lead role, EVMS management, and customer interface.

### 2. Coordinate Mitigation Strategies

Coordinate mitigation strategies for parts obsolescence and availability issues as they arise during the Pre-LRIP phase of the program. Coordinate Rapid Response Team action items to support Investigation Requests (IR). Address problematic design issues as requested by the Subject Matter Experts (SMEs).

Provide Availability Management program meeting support by preparing for and attending weekly program support meetings, design reviews, IPDS reviews, system reviews, team meetings, and any other regularly scheduled program meetings and events as required. Provide weekly and monthly subcontractor progress reviews and attend customer Monthly meeting (VTC or Teleconference). As required obtain SME support from subcontractors TCOM and Raytheon SAS.

### 3. Periodic Transfer of Data to JPO to Incorporate Into Their Controlled Website

Accommodate web based reporting needs of JLENS program. Task to include the expansion of the current reporting capabilities within the Availability Dashboard. This task requires incorporation of all pertinent LRIP data structures and inputs into current reporting databases. Availability management data can be periodically (i.e. daily, weekly, etc.) transferred to JPO for incorporation into their controlled website.

### 4. Deliver Planning and Assessment Reports

Prepare monthly availability assessment reports and weekly Availability Management highlights to summarize activities and accomplishments. Inputs include tasks, status, and issues encountered during previous period. Deliver final summary availability assessment report at completion of contract period.

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Sheet 2

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		[X]	10A. Modification Of Co	ntract/Order No.
			W31P4Q-10 C-0003	
			10B. Dated (See Item 13)	
Code 05716 Facility Code			2003MAR17	
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is extended, Is not extended				the fill of a short
Offers must acknowledge receipt of this at (a) By completing items 8 and 15, and rete	mendment prior to the hour a	of date specified in the solicitati	on or as amended by one	of the following methods:
offer submitted; or (c) By separate letter (	or telegrum which includes a r	eference to the solicitation and a	mendment numbers. FA	ILURE OF YOUR
ACKNOWLEDGMENT TO BE RECEIV	VED AT THE PLACE DESIG	NATED FOR THE RECEIPT O	F OFFERS PRIOR TO	THE HOUR AND DATE
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hour and date specified.	ued each tesegram or letter ma	ikes teletence to the solicitation	and this amendment, and	is received prior to the opening
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### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00042

Page 2 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name
Buyer Office Symbol/Telephone Number
Type of Business: Large Business Per
Surveillance Criticality Designator: A
Kind of Modification: Administration Notice

#### \*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION (P00042) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION, PURSUANT TO SECTION H-7 TO THE CONTRACT ENTITLED "OPTIONS" THE US GOVERNMENT HEREBY EXERCISES TOTAL LABOR FROM CLIN 0005.

A-5 AS A RESULT OF THIS MODIFICATION SLINS 0005AG AND 0005AH ARE ESTABLISHED IN THE TOTAL AMOUNT OF FOLLOWS:

IS ARE REFLECTED AS

CLIN ESM PRON HOURS DOLLAR

0005AG EN13-04 4M3J710200

TOTAL

FOR THE ACCOMPLISHMENT OF TASKS UNDER THE NEWLY ESTABLISHED SLINS: 0005AG AND 0005AH HAVE A PERIOD OF PERFORMANCE FROM 15 DECEMBER 2012 THROUGH 27 SEPTEMBER 2013.

A-6 THE BREAKOUT OF ASSOCIATED COSTS FOR SLINS 0005AG AND 0005AH ARE REFLECTED IN SECTION B OF THIS MODIFICATION.

A-7 AS A RESULT OF THIS MODIFICATION, THE TOTAL CONTRACT OBLIGATED AMOUNT IS INCREASED BY \$291,522 FROM \$13,344,888 TO \$13,636,410

A-8 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0042 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00042

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO QUANTITY UNIT UNIT PRICE AMOUNT SUPPLIES/SERVICES SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 FY13 OPTION PERIOD JLENS ENG SRVS Labor Material Total FY13 PCL COST GSA TCL COST (W/O COM COST OF MONEY FEE CPFF Hours Hours Exercised Remaining Description PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material. Material Description Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B004) 0005AG SERVICES LINE ITEM LO GENERIC NAME DESCRIPTION: #12623 JLENS GSIL SU PRON: 4M3J710200 PRON AMD: 01 ACRN: AJ Estimated Cos COM Fixed Fee Total ESM Description Hours EN13-04

### CONTINUATION SHEET

Reference No. of Document Being Continued

PHIN/SHIN W31P4Q-10-C-0003

MOD/AMD P00042

Page 4 of 7

ITEM NO	ror or Contractor: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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Reference No. of Document Being Continued

Page 5 of 7

CONTINUATION SHEET PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00042 Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO UNIT PRICE SUPPLIES/SERVICES QUANTITY UNIT **AMOUNT** QUANTITY REL CD DATE 27-SEP-2013 001

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00042

INCREASE/

DECREASE

Page 6 of 7

PIIN/SIIN W31P4Q-10-C-0003 Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

4M3J710200

AMS CD/ LINE ITEM MIPR

0005AH 4M3J710200

OBLG STAT 2

2

JO NO/ ACCT ASSIGN A.0009263.1.2

ACRN AJ

PRIOR AMOUNT

CUMULATIVE

NET CHANGE

291,522.00

ACRN AJ

0005AG

ACCOUNTING CLASSIFICATION 021 201320142040

A5XFJ 172419E55FPDG

A.0009263.1.2

251C L032673136 A.0009263.1.2

INCREASE/ DECREASE 021001 \$ 291,522.00

NET CHANGE \$

291,522.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

AMOUNT

CUMULATIVE

OBLIG AMT

NET CHANGE FOR AWARD:

13,344,888.00

291,522.00

13,636,410.00

LINE

ITEM

ACRN EDI/SPIS ACCOUNTING CLASSIFICATION

0005AG AJ 0005AH AJ

021 201320142040 021 201320142040

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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00042

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Attachment 0050

Addenda

Title ENGINEERING SERVICES MEMORANDUM EN13-04 Number

Date 13-NOV-2012 of Pages 002

Transmitted By

EMAIL

RAYTHEON COMPANY

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PROJECT TITLE					CONTRACT NO	11/13/2012	2
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<b>ENGINEERING SI</b>	ERVICES MEM	ORANDUM
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FORM \$H-31-00-04

SCREPTION OF PROPOSED WORK (CONT)	-				ESM HC	EN13-04	
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**JLENS** CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00042
ATTACHMENT 0050
2 OF 2 DFC 1 8 2012

DEC 1 8 2012

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6. Iss	ued By	Code N31P40	7. Administered By (1	-	than Item 6)		Code
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CHAR	MAIL:	City County State and	Zin Code)		9A. Amendmer	of Of Sollelentle	ın No.
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				x	10A. Modificat		ct/Order No.
					10B. Dateil (Se		
Code	05716 Facility Code				2003MAR17	£ (tem 15)	
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_		It Modifies The Contr	set/Order No. As Descr		ltem 14.		
	A. This Change Order is issued Pursua The Contract/Order No. in Item 10	۸.			2200000		th In Item 14 Are Made
_	B. The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The			oges (su	ch as changes in	paying office,	appropriation data, etc.)
	C. This Supplemental Agreement is En						
	D. Other (Specify type of modification a	and authority)					
.104	PORTANT: Contractor is not.	I is required to store	this document and retu	rn		ples to the lasu	ing Office
s	Excription Of Amendment/Modification (  EX SECOND PACE FOR DESCRIPTION  At as provided herein, all terms and condi-						
fect.	· · · · · · · · · · · · · · · · · · ·		16A Name An	d Title	Of Contracting	Officer (Type o	or print)
	N 1 1811 OZOL CE	15C. Date Signed	16A Name An	d Title	Of Cantractine	Officer (Type o	t. Date Signed
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#### CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00043

Page 2 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

Kind of Modification: Administration Notice

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J.

ATTACHMENT 41 EN12-04 REV "A"

A-3 BY EXECUTION OF THIS MODIFICATION REALIGNMENT OF SLIN 0004AD AND 0004AE ARE AS FOLLOWS.

SLIN 0004AD (LABOR) FROM BY TO
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

SLIN 0004AE (MATERIAL) FROM BY TO
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS UNCHANGED.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0043 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00043

Page 3 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0004 12516 MSE INTERCEPTO 0004AD FY12 OPTION ESM E12-04 LABOR HR GENERIC NAME DESCRIPTION: 12516 PRON: 4M2J721700 PRON AMD: 01 PSC: 6625 Inspection and Acceptance ACCEPTANCE: Origin INSPECTION: Origin Deliveries or Performance PERF COMPL DLVR SCH REL CD QUANTITY DATE 15-FEB-2013 0004AE LO FY12 OPTION ESM E12-04 MATERIAL/ODC GENERIC NAME DESCRIPTION: 12516 PRON: 4M2J721700 PRON AMD: 01 PSC: 6625 Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance PERF COMPL REL CD QUANTITY DATE 001 15-FEB-2013

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00043

INCREASE/

DECREASE

Page 4 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

1

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

0004AE 4M2J721700

AMS CD/ LINE OBLG ITEM MIPR

JO NO/

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NET CHANGE \$

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PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

AMOUNT

CUMULATIVE

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NET CHANGE FOR AWARD:

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13,636,410.00

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ITEM ACRN EDI/SFIS ACCOUNTING CLASSIFICATION 021 201220132040

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021 201220132040 A5XFJ 172419E55FPDG 251C L031695772 A.0000013.1.2 A5XFJ 172419E55FPDG 251C L031695772 A.0000013.1.2 021001

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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00043

Page 5 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Number

Date 29-NOV-2012 of Pages

Transmitted By

002

EMAIL

Addenda Attachment 0041

ENGINEERING SERVICES MEMORANDUM (ESM) EN12-04 REV "A"

RAYTHEON COMPANY

Redactions per (b)(4), (b)(6), (b)(3)(A)(i) and Title 10 Sec.130 (a)(c), (b)(3)

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JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00043
ATTACHMENT 0041
1 OF 2 DEC 2 0 2012

ENGIN	EERING	SERV	ICES N	/EMOR	ANDU	M FOR	M SH-31-00-04
					ESM NO.	EN12-04A	
DESCRIPTION OF PROPOSED WORK (CON'T)							
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Efforts include IDS Systems Engin	eering efforts,	material, an	d travel to Hu	ntsville.			
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AMENDMENT OF SOLICITAT	ION/MODIFICATI	ON OF CONTRA	ACT	1. Contract	ID Code Fixed-Fee	Page 1 Of 7
2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purcha	11			o. (If applicable)
G. Issued By  CMMAND-REDSTONE  REDSTONE ARSZNAL AL 15898-5280	Code   131940	7. Administered By (I DCMA RAYTHEON SO APPLE HILL M/S TZFRZ TEMKSBURY MA	TEWESS CRIVE	URY	Ÿ	Code S220
S. Name And Address Of Contractor (No., Street, Street	eet, City, County, State and i	Zip Code)		9B, Dated (Se	utlon Of Cuntra	
Code 05715 Facility Code				2001MAR17		
H.	THIS ITEM ONLY APPLI	ES TO AMENDMENT	SOFSC	LICITATIO	NS	
is extended. Is not extended.  Offers must acknowledge receipt of this unit (a) By completing items 8 and 15, and return offer submitted; or (c) By separate letter or ACKNO WLEDGMENT TO BE RECEIVE SPECIFIED MAY RESULT IN REJECTIO may be reside by telegram or letter, provided hour and date specified.  12. Accounting And Appropriation Data (If rec ACRN: AK NET INCREASE: \$479,927.00	ning coples o telegram which includes a r D AT THE PLACE DESIG ON OF YOUR OFFER. If h d each telegram or letter ma quired)	If the amendments: (b) B reference to the solicitation NATED FOR THE REC by virtue of this amendm	Synckae lon and a CEIPT C lent you	wiedging rece amendment nu OF OFFERS P desire to chun	ipt of this amen imbers. FAILU RIOR TO THE ge an offer aire	dment on each copy of the RE OF YOUR HOUR AND DATE ady submitted, such chang
	IS ITEM ONLY APPLIES	TO MODIFICATIONS	of co	NTRACTS/OF	RDERS	
A. This Change Order is Issued Pursua The Contract/Order No. In Item 10	nt To:	ACOUNT NO. AS DEAL			Changes Set For	th In Item 14 Are Mude I
B. The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The			igds (suc	h as changes l	n paying affice.	appropriation data, etc.) !
C. This Supplemental Agreement Is En	tered Into Pursount To Aut	harlty Of:				
D. Other (Specify type of modification	and authority) Exercise	nation.				
IMPOR'TANT: Contractor is not		this document and retur		-	oples to the Issi	des Office
4. Description Of Amendment/Modification (					H. President of the property of the	and the second s
SEE SECOND PAGE FOR DESCRIPTION						
Except us p rovided herein, all terms and condi ffect.	tions of the document refer	enced in Item 9A or 10A	, as here	tofore change	d, remains uncl	nanged und in full force an
	15C. Date Signed					0/13
SN 7540-O1-152-8070 PREVIOUS EDITIONS UNUSABLE						EV. 10-83) 8 CFR) 53.2

#### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00044

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003

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MIN HOLLIE TO C OROS MICH

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name
Buyer Office symbol/Telephone Number
Type of Business: Large Business Per
Surveillance Criticality Designator: A
Kind of Modification: Exercise Option

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION (P00044) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION, FURSUANT TO SECTION H-7 TO THE CONTRACT ENTITLED "OPTIONS" THE US GOVERNMENT HEREBY EXERCISES TOTAL LABOR AND MATERIAL FROM CLIN 0005.

A-5 AS A RESULT OF THIS MODIFICATION SLINS 0005AJ AND 0005AK ARE ESTABLISHED IN THE TOTAL AMOUNT OF FOLLOWS:

IS ARE REFLECTED AS

CLIN ESM PRON HOURS DOLLAR

0005AJ LOG13-01 4M3J710200

0005AK LOG13-01 4M3J710200

TOTAL

FOR THE ACCOMPLISHMENT OF TASKS UNDER THE NEWLY ESTABLISHED SLINS: 0005AJ AND 0005AK HAVE A PERIOD OF PERFORMANCE FROM JANUARY 2013 THROUGH 27 SEPTEMBER 2013.

- A-6 THE BREAKOUT OF ASSOCIATED COSTS FOR SLINS 0005AJ AND 0005AK ARE REFLECTED IN SECTION B OF THIS MODIFICATION.
- A-7 THE CORRECTED BREAKOUT UNDER CLIN 0004 IS REFLECTED IN SECTION B OF THIS MODIFICATION.
- A-8 AS RESULT OF THIS MODIFICATION, THE TOTAL CONTRACT OBLIGATED AMOUNT IS INCREASED BY \$479,927 FROM \$13,636,410 TO \$14,116,337.
- A-9 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0044 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003 MOD/

MOD/AMD P00044

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0004 FY12 OPTION PERIOD JLENS ENG SRVS FY12 PCL COST G&A TCL COST (W/O CO COST OF MONEY. PEE CPFF Hours Hours Description PM/CM ENGINEERING PRODUCT ASSUR/TE LOGISTICS TOTAL Material Description -ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B005) 0005 FY13 OPTION PERIOD JLENS ENG SRVS PCL COST TCL COST (W/O CO COST OF MONEY FEE CPFF Description PM/CM ENGINEERING PRODUCT ASSUR/TEST

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00044

Page 4 of

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT LOGISTICS TOTAL Material Material Description ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B005) 0005AJ LO SERVICES LINE ITEM GENERIC NAME DESCRIPTION: #12731 JLENS AVAILAB PRON: 4M3J710100 PRON AMD: 01 Estimated Cost COM Fixed Fee Total Description ESM LOG13-01 Labor COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 27-SEP-2013

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00044

Page 5 of 7

ITEM NO	ror or Contractor: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00044

Page 6 of 7

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

0005AK 4M3J710100

AMS CD/ LINE ITEM MIPR 0005AJ 4M3J710100 2

OBLG JO NO/ STAT ACCT ASSIGN A.0009263.1.2

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NET CHANGE \$

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PRIOR AMOUNT

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NET CHANGE FOR AWARD:

13,636,410.00

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LINE ITEM

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION

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CONTINUATION SHEET

#### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00044

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Title Date of Pages Transmitted By

Attachment 0051 ENGINEERING SERVICE MEMORANDUM LOG13-01 16-DEC-2012 003 EMAIL

# **ENGINEERING SERVICES MEMORANDUM**

FORM \$H-31-00-04

U.S. A	RMY AVIATIO				D	LOG13	-01
	REDSTONE	ARSENAL	., ALABAN	IA		DATE	•
ROJECT TITLE					CONTRACTNO	10/9/2012	
rovide JLENS Who	le Life Availabili	ty Manager	ment		W31P4Q-	10-C-0003	
9/27/2013 DESCRIPTION OF PROPOSED WO							
rovide JLENS Whole nitigation analyses, and prough 2018. Availabil ervice Life), interchant eliability performance, vailability Management and coordination of rec- anning and assessment.	d reporting of act ity Management of geability and sub and inventory mant planning, 2) quo ommended part a	ual and pote effectively in stitutability, anagement. arterly asse availability m	ential availabil stegrates parts part replacem JLENS Avail ssments and nitigation strat	ity risks the availabile of location ability Ma classificate egies, and	net will imperity, COTS E ing, supplier nagement of tion of part of d 4) deliver	act sustainment of EOL (End Of Life interface, techn consists of five or availability risks, of Availability M	of the systems  3 & EOSL (End Cology insertion, omponents: 1)  3) development transports.
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TOTAL			5	\$		4	\$
MONITORS			5	- 18		1	3
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	RAYTHEON IDS		DATE		CMDS PROJ	ECY OFFICE	DATE
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JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00044
ATTACHMENT 0051
1 OF 1 M 1-0 2013

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

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_	_	_	_	_	_	_	-

LOG13-01

DESCRIPTION OF PROPOSED WORK (CONT)

### 1. Perform Availability Management Planning

The organization of tasks required to perform JLENS Availability Management Includes scheduling, prioritization, migration of lessons learned, system level oversight of End of Life/End of Service Life (EOL/EOSL) thresholds for all externally procured and internally fabricated components, Shop Replaceable Units (SRUs) and Line Replaceable Units (LRUs) throughout the system's sustainment period of 2018. Also includes development and implementation of asset availability and part availability mitigation strategies. Additionally provide Availability Management lead role and customer interface.

### 2. Quarterly Availability Management Assessments and Classifications

Quarterly availability management assessments performed on all piece parts (primary and approved alternates), SRUs, and LRUs in JLENS Orbits #1 and 2. Each part will be categorized with a Part Availability classification

- Green Projected Availability of more than 2 years
- > Yellow Projected Availability of at least 1 year but less than 2 years
- Orange Projected Availability of less than 12 months
- Red Projected Availability of ZERO. Part is no longer in production from last Raytheon-approved OEM

#### 3. Coordinate Availability Management Mitigation Strategies

Coordinate mitigation strategies for parts availability issues as they arise during the defined JLENS support period through 2018. Obsolete components and other supply items are evaluated to determine the impact on the SDD Technical Data Package (TDP) in terms of design modification complexity of the EDM component. Designs can be revised in one of the following categories for obsolete components:

 a. Drop-in replacement part which can use the existing component footprint without changing the Printed Wiring Board (PWB) artwork (Parts List change only).

b. Component replacement with a different footprint due to pin-out differences, with a re-spin of the PWB artwork to accept an equivalent replacement part.

c. Component redesign requiring new PWB artwork due to the elimination of the obsolete part by designing it out.

(Continued below)

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#### **ENGINEERING SERVICES MEMORANDUM**

ESM NO.	-
LOG13-01	

DESCRIPTION OF PROPOSED WORK	(CON'T)	ì

## 4. Deliver Planning and Assessment Reports

Prepare quarterly availability assessment reports to summarize activities and accomplishments. Inputs include tasks, status, and issues encountered during previous period. Hold quarterly meetings with the Government to review all availability management impacts, determine courses of action and indentify most effective mitigation strategy to pursue. Deliver final summary availability assessment report at completion of contract period.

## 5. Continuously update OneIDE Website

Accommodate web based availability reporting to include all pertinent data elements, assessments and analysis required to reach the desired resolution.

Includes 4 quarterly review meetings.

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AMENDMENT OF SOLICITATE	ION/MODIFICATI	ON OF CONTRAC	T 1. Contrac	ID Code	Page 1 Of 6
2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase R	eq No.		lo. (If applicable)
6. Issued By  MMAND-REDSTONE  MMAND-REDSTONE	Code W31P40	7. Administered By (If oth DCMA RAYTHEON TEV 50 APPLE HILL DRI M/S T2FR2 TEWKSBURY MA 018	er than Item 6) KSBURY VE		Code S220
8. Name And Austress of Contractor (110., 511 c	et, City, County, State and 2	Zip Code)	9A. Amendm	ent Of Sollcitut	lan No.
RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01610-4400			9B. Dated (Se	ee Item 11)	
		X		ation Of Contra	act/Order No.
			10B, Dated (S		
Code 05716 Facility Code	entylligen en e		2003MAR17	rec resii 15)	
11.3	THIS ITEM ONLY APPLI	ES TO AMENDMENTS OF	SOLICITATIO	NS	
may be made by telegram or letter, provided hour and date specified.  2. Accounting And Appropriation Data (If req ACRN: AD NET INCREASE: \$.00		kes reterence to the solicital	ion and this amer	nament, and is r	ессичеа ринг to the spenis
13. THIS		O MODIFICATIONS OF Cact/Order No. As Described		RDERS	
A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10/	t To: A.		The (	Changes Set For	rth in Item 14 Are Made is
B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The			such as changes i	n paying office,	appropriation data, etc.) S
C. This Supplemental Agreement Is Enti	A STATE OF THE STA	nority Of:			
D. O ther (Specify type of modification as	nd authority)				
. IMPORT ANT: Contractor Is no!, 4. Description Of Amendment/Modification (C		his document and return		copies to the Issu	The state of the s
SEE SECOND PAGE FOR DESCRIPTION					
ccept as pr-ovided herein, all terms and conditi	ons of the document refere	nced in Item 9A or 10A, as I	eretofore change	d, remains uncl	hanged and in full force an
ect. A.		164 Nove And Th	le Of Contracting	Officer (Type	ar print)
	15C. Date Signed	3			2. Date Signed
SN 7540-0 1-152-8070 / REVIOUS EDITIONS UNUSABLE		30			(REV. 10-83)

Reference No. of Document Being Continued
PIIN/SIIN W31P4Q-10-C-0003 . MOD/A

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name
Buyer Office Symbol/Telephone Number
Type of Business: Large Business Performing in U.S.

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE POLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AND THE PERIOD OF PERFORMANCE IS EXTENDED FROM 21 DEC 12 TO 25 JAN 13 AT NO ADDITIONAL COST.

Page 2 of 6

MOD/AMD P00045

ATTACHMENT 43 EN12-03 REV "C"

DIR LABOR & BURDEN

MATERIAL

Surveillance Criticality Designator: A Kind of Modification: Supplemental Agreement

A-3 BY EXECUTION OF THIS MODIFICATION REALIGNMENT OF INCREASE FROM LABOR HOURS ARE AS FOLLOWS.

SLIN 0004AG (LABOR)
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

DIRECT LABOR HOURS:

A-4 BY EXECUTION OF THIS MODIFICATION REALIGNMENT OF 0004AD IS CORRECTED AS FOLLOWS.

SLIN 0004AD (LABOR)
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS UNCHANGED.

A-6 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0045 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00045

Page 3 of 6

Name of Offerer or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES AMOUNT QUANTITY UNIT UNIT PRICE SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0004 FY12 OPTION PERIOD JLENS ENG SRVS PCL COST TCL COST (W/O CO COST OF MONEY FEE CPFF Hours Hours Description Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TE LOGISTICS TOTAL Material Material Description ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B006) 0004AG HR FY12 OPTION ESM EN12-03 LABOR GENERIC NAME DESCRIPTION: 11466 PRON: 4M2J715400 PRON AMD: 02 ACRN: AD AMS CD: 172419E555L PSC: 6625 Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 25-JAN-2013

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 4 of 6

	INUATION SHEET	PIIN/SIIN W31P4Q-1	.0-C-0003 M	OD/AMD	P00045	
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Reference No. of Document Being Continued Page 5 of 6 CONTINUATION SHEET PHN/SHN W31P4Q-10-C-0003 MOD/AMD P00045 Name of Offeror or Contractor: RAYTHEON COMPANY SECTION G - CONTRACT ADMINISTRATION DATA PRON/ AMS CD/ LINE OBLG INCREASE/ CUMULATIVE ITEM MIPR STAT ACCT ASSIGN ACRN DECREASE AMOUNT 0004AG 4M2J715400 24MJLE AD 172419E555L 0004AH 4M2J715400 24MJLE AD 172419E555L NET CHANGE INCREASE/ DECREASE ACCOUNTING CLASSIFICATION AD 22040000025L5L68P1724192516 801021 W31G3H NET CHANGE \$ INCREASE/DECREASE CUMULATIVE PRIOR AMOUNT OF AWARD THUUMA OBLIG AMT NET CHANGE FOR AWARD: 14,116,337.00 0.00 14,116,337.00

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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 ATTACHMENT 0043 1 OF 2 JAN 0 2013

JAN 2 8 2013

P00046 6. Issued By	JAN 3 1 2013	TOTAL CONTRACTOR		
6. Issued By		SEE SCHEDULE		- CAVA
REDSTONE REDSTONE - 5280	Code M31P4Q	7. Administered By (If other DCMA RAYTHEON TEWKS 50 APPLE HILL DRIVE M/S T2FR2 TEWKSBURY MA 01876	BURY	Code 52235A
8. Transe And Address Of Contractor (170., 38)	cer, eny, county, State and 2	Zip Code)	9A. Amendment Of Solicit	ation No.
RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01810-4400			9B. Dated (See Item 11)	
		×	10A. Modification Of Con w31P4Q-10-C-0003	tract/Order No.
			10B. Dated (See Item 13)	
Code 05716 Facility Code			2063MAR17	
The above numbered solicitation is amen	Control of the second of the s	ES TO AMENDMENTS OF S	THE PARTY OF THE P	
may be made by telegram or letter, provide hour and date specified.  12. Accounting And Appropriation Data (If re ACRN: AG NET INCREASE: \$197,934.00	equired)		7000 TOTAL	
13. TH		O MODIFICATIONS OF CO act/Order No. As Described In		
A. This Change Order is Issued Pursus The Contract/Order No. In Item 10			The Changes Set F	Forth in Hem 14 Are Made in
B. The Above Numbered Contract/Orc	der Is Modified To Reflect Ti		ch as changes in paying offic	re, appropriation data, etc.) Set
C. This Supplemental Agreement Is En	stered Into Pursuant To Auth	nority Of:		
D. Other (Specify type of modification	and authority)	****		
E. IMPORTANT: Contractor is not	t, 🔝 is required to sign t	his document and return	copies to the I	ssuing Office.
14. Description Of Amendment/Modification (	Organized by UCF section h	eadings, including solicitation/	contract subject matter whe	ere feasible.)
SEE SECOND PAGE FOR DESCRIPTION				
Except as provided herein, all terms and condi	itions of the document refere	nced in item 9A or 10A, as her	etofore changed, remains u	nchanged and in full force and
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CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00046

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003
Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number

Type of Business: Large Business Performing in 0.5.

Surveillance Criticality Designator: A

Kind of Modification: Supplemental Agreement

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J.

ATTACHMENT 45 PM/CM 13-01 REV "A"

A-3 BY EXECUTION OF THIS MODIFICATION EXTENSION FROM 25 JAN 13 TO 28 SEP 13 AND ADDITIONAL FUNDING WITH REALIGNMENT OF SLIN 0005AC AND 0005AD ARE AS FOLLOWS.

SLIN 0005AC (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



SLIN 0005AD (MATERIAL) DIRECT LABOR HOURS; DIR LABOR & BURDEN MATERIAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT IS INCREASED IN THE AMOUNT OF \$197,934.00 FROM \$14,116,337.00 TO \$14,314,271.00

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0046 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00046

Page 3 of 7

TEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
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CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00046

Page 4 of 7

ITEM NO	FOR OF CONTRACTOR: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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	Inspection and Acceptance				
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	Deliveries or Performance				
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	001 25-JAN-2013				

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00046

Page 5 of 7

ITEM NO	or or Contractor: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY U	NIT UNIT PRICE	AMOUNT
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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00046

Page 6 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

2

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

LINE AMS CD/

ITEM MIPR 0005AC 4M2J722000

0005AD 4M2J722000

OBLG JO NO/ STAT ACCT ASSIGN 2

A.0000013.1.2 A.0000013.1.2 ACRN AG AG

NET CHANGE

INCREASE/

197,934.00

CUMULATIVE AMOUNT

ACRN AG

ACCOUNTING CLASSIFICATION

021 201220132040

ASXFJ 172419E55FFDG

251C L032063156 A.0000013.1.2

INCREASE/ DECREASE 021001 \$ 197,934.00

NET CHANGE \$ 197,934.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE AMOUNT

CUMULATIVE

OBLIG AMT

NET CHANGE FOR AWARD:

14,116,337.00

197,934.00

14,314,271.00

LINE ITEM

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION

0005AC AG 021 201220132040 AG 0005AD 021 201220132040

ASXFJ 172419E55PPDG A5XFJ 172419E55FPDG

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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00046

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda

Number

of Pages

Attachment 0045 ENGINEERING SERVICES MEMORANDUM PM/CM 13-01 REV "A" 15-JAN-2013

Transmitted By 002

EMAIL

RAYTHEON COMPANY

	MY AVIATIO EDSTONE				ND	PM/CM DATE 1/15	
NOJECT TIME FY13 ESM Program Mar	agement / Co.	ofiguration I	Managen	nent .	CONTRACT NO	-10-C-0003	***
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JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00046
ATTACHMENT 0045
1 OF 2 AN 3 1 2013

RAYTHEON COMPANY

### **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

CAUPTA				ESM NO.	/CM13-01-A
Assumes support of fol accounted for separate	lowing ESM effort and Availability	s: MSE Into	erceptor Study, Exe ent. New candidate	rcise Planning/Sit s (not listed above	e Selection, e) will be
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9					
OME PLAN (MEASURABLE TASKS ON MILESTONE	START DATE	END DATE	MILESTON	i si	ART DATE   END DATE
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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00046 ATTACHMENT 0045 2 OF 2 JAN 3 1 2013

AMENDMENT OF SOLICI	ION OF CONTRACT 1. Contract			ID Code Page 1 Of 4			
2. Amendment/Modification No. 200047	FEB 1.4 2013	SEE SCHEDULE					hie)
6. Issued By  MAND-REDS  REMETONE AREENAL AL 35898-528	7. Administered By (If  DCMA RAYTHEON  SO APPLE HILL  M/S T2FR2  TEMKSBURY MA	Tewkse Drive	URY		Co	ode s22	
8. Name And Address Of Contractor (N RAYTHEON COMPANY 180 LOWELL ST ANDOVER, MA 01810-4400		Cip Code)		98. Dated (See 10A. Modificat w21240-10-C- 10B. Dated (Se	item (1) tion Of Contr		
Code 05716 Facility Cod	11. THIS ITEM ONLY APPLI			2003MAR17			
Offers must acknowledge receipt of the completing items 8 and 15, and offer stabulitted; or (c) By separate let ACKNOWLEDGMENT TO BE RECEIVED MAY RESULT IN REJUMBY BY RESULT OF RESULT IN RESULT OF RESULT IN	i returning copies of ther or telegram which includes a re CEIVED AT THE PLACE DESIGN ECTION OF YOUR OFFER. If by revided each telegram or letter ma	f the amendments: (b) By eference to the solicitatio NATED FOR THE REC y virtue of this amendme	n and a EIPT O ent you	vledging receip mendment nur F OFFERS PH desire to chang	of this amer nbers. FAILU NOR TO THE c un offer air	ndment on exc URE OF YOU E HOUR AND eady submitte	ch copy of the JR D DATE ed, such chan
1	3. THIS ITEM ONLY APPLIES T It Modifies The Contri	O MODIFICATIONS C			DERS		
A. This Change Order is issued I The Contract/Order No. In I	item 10A.			Andrewesse	nanges Set Fo		
	ct/Order is Modified To Reflect Ti to The Authority of FAR 43.103(b).		es (suc	n as changes in	paying office	, appropriatio	n data, etc.)
C. This Supplemental Agreemen	t Is Entered Into Pursuant To Auth	norlty Of:					
D. Other (Specify type of modific	cation and authority)						
		his document and return			ples to the lss		
14. Description Of Amendment/Modific  SEE SECOND PAGE FOR DESCRIPTI  Except us parovided herein, all terms and  effect.	CON						n fell force a
NSN 7540 - 01-152-8070	15C. Date Signed 2/14/201						Signed (13 7, 10-83)

Redactions per (b)(6)

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00047

Page 2 of 4

PIIN/SIIN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name

Buyer Offic

Type of Business: Large Business Per

Surveillance Criticality Designator: A

Kind of Modification: Supplemental Agreement

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AND THE PERIOD OF PERFORMANCE IS EXTENDED FROM 15 FEB 13 TO 15 MAR 13 AT NO ADDITIONAL COST.

ATTACHMENT 41 EN12-04 REV "B"

A-3 AS A RESULT OF THIS MODIFICATION SLINS 0004AD AND 0004AE WILL BE EXTENDED FROM 15 FEB 13 TO 15 MAR 13 AT NO ADDITIONAL COST.

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS UNCHANGED.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0047 \*\*\*

CONTINUATION SHEET

#### Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00047

Page 3 of 4

TEM NO	or or Contractor: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
004AD	FY12 OPTION ESM E12-04 LABOR	•	HR		s
	GENERIC NAME DESCRIPTION: 12516 PRON: 4M2J721700 PRON AMD: 01 ACRN: AE PSC: 6625				
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin				
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 15-MAR-2013				
04AE	FY12 OPTION ESM E12-04 MATERIAL/ODC  GENERIC NAME DESCRIPTION: 12516 PRON: 4M2J721700 PRON AMD: 01 ACM: AE		ro		\$
	PRON: 4M2J721700 PRON AMD: 01 ACRN: AE PSC: 6625  Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin			A	
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 \$			Tax Care	
					18.1
		¥S			

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00047

Page 4 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0041

ENGINERRING SERVICES MEMORANDUM (ESM) EN12-04 REV "B"

Number

29-JAN-2013

of Pages Transmitted By

EMAIL

002

HEVERION .

EXPL MATION OF REVISION:

RAYTHEON COMPANY

NO/ECTTINE		BAMA	1	
	160	1/29/2	2013	
		W	31P4Q-10-C-0003	
ESTIMATED COMPLETION DATE OF ESM  8/1/12 — 3/15/13		Co	ST ACCOUNT	
The II ENS will need to supp	nord			nis study will analysi
ill consist of three phases; prelim aplementation of design changes				nulations, and finally
1) Preliminary analysis will c	onsider the probability		and track	based on existing
modifications necessary to performed.	support the		will be identifie	Any ed and trade studies
Continued on following page	DATE REQUIRED	RETURN DATE	СОМОТИ	N OF FIETURN
o be specified in Sub-ESMs as required	DATE REGUMES	ne/onnuare	CONDITIO	H OF RECORN
The same and developed conference of the second				
DO DE SPECIFIED IN SUD-ESMS AS required	FITS AND DELIVERY DATE			
	OLLOWING IS PROPRIETA	ARY INFORMATION	PROTECTED UNDER	
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RECT LABOR HOURS		5		3
TEPIAL S		5	5	3
MPTRIBUBCONTR LBR \$		5	8	5
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M RAGNITORS Regiment				
IDS:		CMDS P.O.:		
HC LINAENCE HONATURES:	DAT DAT	E 1	CMOS PROJECT OFFICE	DATE
AAYTHEON IS	0440	012		
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Initial Contract	1,300,000			
Initial Contract ISSUE Initial Contract IEVISION Transferred Labor to M	1.300/100	2012		2/11/13
Initial Contract	laterial 11/29/	2012		2/11/13

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

				EN12-04B	
DESCRIPTION OF PROPOSED WORK (CONT)					
3) Panding the results in	stens 1 and 2 above	e, a cost and scheo vill be performed.	dule estimate	040	
Efforts Include IDS Systems En	ngineering efforts,	material, and trav	el to Huntsville.		
Final meeting requested by JP past meeting to account for an	O to be held end o y close out actions	f February – past or change in med	original Period of Performating date	nance end date. Tir	ne added
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ILESTONE PLAN (MEASURABLE TASKS ONLY			NI CEPAN	L TANKAN I	CHIS STATE
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	ENO DATE
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				140	

Shael 2

2. Amendment/MudiCentlan No.	ATTOMMODIFICATI	ON OF CONTRAC		Contract ID Cost Plus - Pix		Page 1 Of 3
2. Amendment/Modification No. 3. Effective Date		4. Requisition/Purchase F	eq No.	The second second second second second	Telephone Control of the Land	(If applicable)
6. Issued By	Code   W31P40	7. Administered By (If ot		n Item 6)		Code 522
COMMAND-REDSTO	ADDED TO THE PARTY OF THE PARTY	DCMA RAYTHEON TE 50 APPLE HILL DR M/S T2FR2 TEWKSBURY MA 01	VE			
	ity, County, State and	Zip Code)	7 9/	. Amendment (	of Sollcitation	No.
RAYTHSON COMPANY	Control Manager and Control of the Control of	<u> </u>	4			
350 LOWELL ST			91	3. Dated (See Ite	m 11)	
ANDOVER, MA 01810-4400						
	9	[2	] 10	A. Modification	Of Contract	Order No.
			W	31P4Q-10-C-00	03	
Turn.			100	B. Dated (See I	tem 13)	
Code 05716 Facility Code		unamo a sumi os socies -	-	DO3MAR17		
The above numbered solicitation is an	II, THIS ITEM ONLY APPLI		-	100-10-25		
hour and date specified.  12. Accounting And Appropriation Data (I  NO CHANGE TO OBLIGATION DATA	lf required)			DEMO-2550		
THE PERSON OF THE PROPERTY OF				****		
PARTY STANDARD CONTRACTOR OF THE STANDARD CONTRA	THIS ITEM ONLY APPLIES	TO MODIFICATIONS OF			RS	- I - In-
A. This Change Order is issued Pur The Contract/Order No. in Item	It Modifies The Control rsuant To: m 10A.	ract/Order No. As Describe	d in Ite	m 14. The Char	ges Set Forth	ı in item 14 Are Mude
13.	It Modifies The Contr rsuant To: m 16A, /Order Is Modified To Reflect T	nact/Order No. As Describe	d in Ite	m 14. The Char	ges Set Forth	
A. This Change Order is issued Pur The Contract/Order No. in Item B. The Above Numbered Contract/	It Modifies The Contr rsuant To; m 10A. /Order Is Modified To Reflect T The Authority of FAR 43.103(b	ract/Order No. As Describe The Administrative Changes ).	d in Ite	m 14. The Char	ges Set Forth	
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A. This Change Order is issued Pur The Contract/Order No. In Item B. The Above Numbered Contract/ Forth In Item 14, Pursuant To  C. This Supplemental Agreement I:  D. Other (Specify type of modification of Amendment/Modification)  E. IMP ORTANT: Contractor is	It Modifies The Contression To: m 10A. /Order Is Modified To Reflect To The Authority of FAR 43.103(b) s Entered Into Pursuant To Authority) s not, sis required to sign ion (Organized by UCF section)	ract/Order No. As Describe The Administrative Changes ). thority Of: this document and return, hoadings, including solicitat	(such	m 14.  The Char as changes in pa  copia stract subject m	ges Set Forth ying office, a sto the Issui	ng Office.
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CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00048

Page 2 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number

Type of Business: Large Business Per

Surveillance Criticality Designator: A

Kind of Modification: Supplemental Agreement

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION (P00048) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE GOVERNMENT FURNISHED PROPORETY/ CONTRACTOR ACQUIRED PROPORRTY IS TRANSFERRED FROM CONTRACT W31P4Q-10-C-0167 TO CONTRACT W31P4Q-10-C-0003.

A-3 BY EXECUTION OF THIS MODIFICATION THE GOVERNMENT FURNISHED PROPORETY/ CONTRACTOR ACQUIRED PROPORRTY IS INCOPORATED INTO SECTION J AS ATTACHMENT 0052 OF THIS CONTRACT.

A-4 AS A RESULT OF THIS MODIFICATION, THE GOVERNMENT FURNISHED PROPORETY/ CONTRACTOR ACQUIRED PROPORRTY IS REFERENCED IN ACCORDANCE WITH THE ENGINEERING SERVICE MEMORANDUM EN13-03.

A-5 AS A RESULT OF THIS MODIFICATION, THE ENGINEERING SERVICE MEMORANDUM EN13-03 IS INCORPORATED INTO SECTION J AS ATTACHMENT 0046 OF THIS CONTRACT.

A-6 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS THE SAME.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0048 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00048

Page 3 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of			Number		
Addenda	Title	Date	of Pages	Transmitted By	
Attachment 0046	ENGINEERING SERVICE MEMORANDUM EN13-03	07-SEP-2012	002	EMAIL	
Attachment 0052	PROPERTY TRANSFER LIST, CONTRACT W31P4Q-10-C-0167 TO W31P4Q-	13-MAR-2013	003	RMAIL	
	10-C-0003				

HASTISECH COMPANY

					RANDUM	
U.S. A		IN AND MISSIL ARSENAL, ALA		ND	EN13-0:	3
				CONTRACTR		-
				W31P4C	-10-C-0003	
08/30/2013	DAH.					
Support the fur procurement of Conduct month schedule statu     Trade studies that would driv	nctional costs. hly reviews (one p is. should assess cha re costs downward	er quarter in person anges to the existin I using principles of reas for considerati	Cost As an	e, AL) to revie	ce requirements (	ress and cost an
	ision review in Jar	n 2013 to select a p			ive.	
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JLENS
CONTRACT MODIFICATION
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10F2

# **ENGINEERING SERVICES MEMORANDUM**

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Conduct a system functional review and a disconfiguration. Provide recommended require				
the form of draft NOR/RFDs that imprementation. PDR level of design materia.  6. Create and provide simulations and/or emulations.	rements changes to at would facilitate a rial is not part of this represent the he government	ent's system integration		actions!
7. Support the to JLENS no penormance and	the determi	nation of JLENS		ipact
Areas for consideration to reduce costs:				
<ul> <li>Evaluate impacts to the proposed</li> </ul>	and current of	equired functionality by el	iminating the	
the Data Processing Station of the CPG hard		and the		
<ul> <li>Evaluate impacts of hosting remaining/result eliminating the proposed</li> </ul>	trant functionality co. ex	visting beautiful to the	ware by	1
Evaluate and address contained a convert	ters in the Data Proces	ssing Station of the CPG		
eliminating the proposed			TPMs b	У
Provide other potential configuration change		ssing Station of the CPG	hardware. ice required	
<ul> <li>and reuse JLENS software.</li> <li>Evaluate and/or leveraging existing</li> </ul>	capabilities.			
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ILENS
CONTRACT MODIFICATION
W31P4Q-10C000BMODP000B7
ATTACHMENT0046
20162

SEP 2 0 20W

Contract W31P4Q-10-	Contract W31P4Q-10-C-0167 Property Transfer List, Contract W31P4Q-10-C-0167 to Contract W31P4Q-10-C-0003				
Curent Contract #	Description	Qtv	USG tag number   Sorial number	Attachment 18 (13 February 2013)	
W31P4Q-10-C-0167	HC5EY10 CATSE CABLE	15		T1FPO2	
W31P4Q-10-C-0167	HC5EY10 P-CORD CATSE 10' YELLOW	20		T1FPO2	
W31P4Q-10-C-0167	IBAR12-20ULTRA POWER STRIP	2		T1FP02	
W31P4Q-10-C-0167	ISOBAR12ULTR SURGE SUPPRESSOR	6		T1FP02	
W31P4Q-10-C-0167	F	1	US608727	T1FPO2	
W31P4Q-10-C-0167	c	6		T1FP02	
W31P4Q-10-C-0167	Tub-1130/NOZL100Z9110007 C3D 3COND CAMB	2		T1FP02	
W31P4Q-10-C-0167	TRD815BLK-5 CABLE ASSY	12		T1FP02	
W31P4Q-10-C-0167	THE CLOSER OF GIVE FIGURE	1	US608726	T1FP02	
W31P4Q-10-C-0167	USB-DHEXT-6-MM COMPATIBLE CABLES 6 FT	10		T1FPO2	
			US608698		
1			US608697		
			US608699		
W31P4Q-10-C-0167	NETWORK SWITCH	4	US608700	T1FP02	
W31P4Q-10-C-0167	X5518A-R6-C KIT FAS2020,-C,R6	1		T1FP02	
W31P4Q-10-C-0167	X5518A-R6-C RACKMOUNT KIT	1		T1FP02	
W31P4Q-10-C-0167	X800E-R6 POWER CABLE NA,R6	2		T1FP02	
W31P4Q-10-C-0167	X800E-R6-C POWER CABLE	1		T1FP02	
			US608695		
W31P4Q-10-C-0167	ZDR15300505G4CASPCS ZERO WARRIOR CASE	2	US608696	T1FP02	
				T3MM30	
			US608676	&	
W31P4Q-10-C-0167		2	US608677	T3MM25	
				T3MM30	
	The state of the s		US608670	&	
W31P4Q-10-C-0167	Workstation Base Unit	2	US608671	T3MM25	
			US608672	T3MM30	
	1		US608673 US608674	8.	
W31P4Q-10-C-0167	LCD Monitor	4	US608674 US608675	T3MM25	
W31P4Q-10-C-0167	Network Switch	1	US608742	T1FP02	
M21144-10-C-0101	NELWOIN SWITCH	1	03000742	1.11102	

JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 ATTACHMENT 0052 1 OF 3 MAR 1 4 2813

Co t W31P4Q-10-		ontract W3*	7-10-C-0167 to C	ontract W31P4Q-10-C-0003	Attachment 18 (1	3 " harry 2013)
Cure ontract #	Description		USG tag numb	ser Seriel number	Location	t Value
V31P4Q-10-C-0167	£	7	US608681 US608678 US608684 US608680 US608682 US608683 US608679		T1FP02	000622
/31P4Q-10-C-0167	806-3090 BLANK PLATE	4			T1FP02	
			2	Keyboard SN: 1101005296 1101002121 1101005461 Mouse SN: 1107000223		
				1107000925		
V31P4Q-10-C-0167	965798 KEYBOARD/MOUSE	3		1107000013	T1FP02	
V31P4Q-10-C-0167	UPS MGMT CARD	6			T1FP02	
/31P4Q-10-C-0167	ROUTER	1	US608732		T1FP02	
	,			Keyboard SN: 1202000825 1202001146 1202001143 1202000108 Mouse SN: 1201002595 1201001985 1201001014		
V31P4Q-10-C-0167	BUS0067 KEYBOARD, MOUSE	4		1201001542	T1FP02	
/31P4Q-10-C-0167	CAUALAL-5M USB CABLE ASSY	4			T1FP02	
/31P4Q-10-C-0167		1			T1FP02	
/31P4Q-10-C-0167	CŤŁDVI-DL-MM-15 DV1 CABLE	3		5)	T1FP02	
/31P4Q-10-C-0167	CTLDVI-DL-MM-15 DVI-D DUAL LINK DVI CABL	4			T1FP02	
V31P4Q-10-C-0167		1	US608731		T1FP02	

JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003
ATTACHMENT 0052
2 OF 3 MAD 1 7812

Cor -t W31P4Q-10-		W31J		and between the contract of th	Attachment 18 (1	
Cut ontract #			USG tag number	er Serial number	Location	at Value
W31P4Q-10-C-0167	RUGGED NTBOOK	1			T1FP02	
W31P4Q-10-C-0167	10224820 RING, RETAINING-PANEL FASTENER	4			T1FP02	
W31P4Q-10-C-0167	RACK RAILS	10			T1FP02	
W21D4O 10 C 0167	20073YR DELL FLAT PANEL	6	2	MX-0G324H-74262-22S-2D8L MX-0G324H-74262-22S-2D3L MX-0G324H-74262-22M-22LL MX-0G324H-74262-22S-2D9L MX-0G324H-74262-22M-22NL MX-0G324H-74262-22S-2D4L	T1FP02	Red
W31P4Q-10-C-0167	313-6412 AX510 SOUND BAR	6		CN-OC730C-71623-228-1627 CN-OC730C-71623-228-1629 CN-OC730C-71623-228-1589 CN-OC730C-71623-228-1628 CN-OC730C-71623-19Q-1646 CN-OC730C-71623-19Q-1644	T1FP02	Redactions per (b)(4), (b)(3)
W31P4Q-10-C-0167	320-4687 DELL FLAT PANEL	4	US608694 US608693 US608692 US608691	MX-OG324H-74262-1AC-2PNL MX-OG324H-74262-1AC-2R7L MX-OG324H-74262-1AC-2R2L MX-OG324H-74262-1AC-2R1L	T1FP02	), (b)(3)
W31P4Q-10-C-0167		2	⊌S608724 US608725		T1FP02	
W31P4Q-10-C-0167		8	Urconce?	*	T1FP02	
9-		4	US608687 US608686 US608685 US608688		T1FP02	
W31P4Q-10-C-0167		14	0300000		All the second s	

JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 ATTACHMENT 0052 3 OF 3

AMENDMENT OF SOLICITA	TION/MODIFICATI	ION OF CONTRACT	I. Contract ID Code Cost Plus Fixed Fee	Page 1 Of 3
1, Amendment/Modification No.	APR 1 0 200	4. Requisition/Purchase Req		t No. (If applicable)
6. Issued By	Code W31P40	7. Administered By (If other	than Item 6)	Code S2205A
WEUSTONE ARSENAL AL 35698-5280		DCMA RAYTHEON TEWKS 50 APPLE HILL DRIVE M/S T2FR2 TZMKSBURY MA 01876		
Name And Address Of Contractor (No., S.	rcel, City, County, State and	Zip Code)	9A. Amendment Of Solic	Itation No.
RAYTHEON COMPANY 350 LOHELL ST ANDOVER, NA 01810-4400			9B. Dated (See Item 11)	
		[X]	18A. Modification Of Co	ntract/Order No.
			W31P4Q+10-C-0003	
Code 05716 Facility Code			10B. Dated (See Item 13) 2001MAR17	
11111/ 1101	1 THIS PERM ONLY ARM	IES TO AMENDMENTS OF S		
ACKNOWLEDGMENT TO BE RECEIV SPECIFIED MAY RESULT IN REJECT may be made by telegram or letter, provident and date specified.  2. Accounting And Appropriation Data (If NO CHANGE TO OBLIGATION DATA)	TION OF YOUR OFFER, If I ded each telegram or letter mi	by virtue of this amendment you	desire to change an offer	already submitted, such change
		TO MODIFICATIONS OF CO		
A. This Change Order is lasued Purs The Contract/Order No. In Item	uant Fo:		The Changes Set	Forth In Item 14 Are Made In
B. The Above Numbered Contract/O Forth In Item 14, Pursuant To T	he Authority of FAR 43.103(b	n).	ch as changes in paying of	fice, appropriation deta, etc.) Set
C. This Supplemental Agreement is	Entered Into Pursuant To Aut	thorlly Of:		
D. Other (Specify type of modification	on and authority)			
MPORTANT: Contractor is a	not, Is required to sign	this document and return	copies to the	Issuing Office.
4. Desca Iption Of Amendment/Modification			contract subject matter wi	tere feasible.)
SEE SECOND PAGE FOR DESCRIPTION				
The state of the description				
-			18	
scept as provided herein, all terms and co-	nditions of the document refer	renced in item 9A or 10A, as her	retofore changed, remains	unchanged and in full force and
ffeet.				
56	15C. Date Signed	d		Date Signed
				1.110
	4/10/13			an 110,7
SN 75-4-0-01-152-8070	The Association of the Williams	39		(REV. 10-83)
PREVIOUS EDITIONS UNUSABLE				(48 CFR) 53.243

#### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00049

Page 2 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name

Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fe

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE FURPOSE OF THIS MODIFICATION (P00049) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE GOVERNMENT FURNISHED PROPORETY/ CONTRACTOR ACQUIRED PROPORTY IS TRANSFERRED FROM CONTRACT W31P4Q-10-C-0120 CONTRACT W31P4Q-10-C-0003

A-3 BY EXECUTION OF THIS MODIFICATION THE GOVERNMENT FURNISHED PROPORETY/ CONTRACTOR ACQUIRED PROPORRTY IS INCOPORATED INTO SECTION J AS ATTACHMENT 0052 OF THIS CONTRACT.

A-4 AS A RESULT OF THIS MODIFICATION, THE GOVERNMENT FURNISHED PROPORETY/ CONTRACTOR ACQUIRED PROPORRTY IS REFERENCED IN ACCORDANCE WITH THE ENGINEERING SERVICE MEMORANDUM EN13-03.

A-5 AS A RESULT OF THIS MODIFICATION, THE ENGINEERING SERVICE MEMORANDUM EN13-03 IS INCORPORATED INTO SECTION J AS ATTACHMENT 0046 OF THIS CONTRACT.

A-6 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS THE SAME.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0049 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00049

Page 3 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0046

Title

PROPERTY TRANSFER LIST W31P4Q-10-C-0120 TO W31P4Q-10-C-0003

Date 08-APR-2013

Number of Pages

Transmitted By 003

EMAIL

**Government Furnished Property List** 



**JLENS** CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00049
ATTACHMENT 0046
2 OF 3 APR 1 0 2013

APR 1 0 2013

Government Fundshed Property List

JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00049
ATTACHMENT 0046
3 OF 3
APR 1 0 2013

3 of 3

AMENDMENT OF SOLICITAT	TON/MODIFICATI	ON OF CONTRA	CT	1. Contract		Page 1 Of 5
Amendment/Modification No.  3. Effective Date APR 1 2 283		4. Requisition/Purchas			5. Project No	o. (If applicable)
MMAND-REDSTONE REDSTONE ARSENAL AL 35898-5280	Code W31P4Q	7. Administered By (If DCMA RAYTHEON 50 APPLE HILL M/S T2FR2 TEWKSBURY MA	other t TEWKSE DRIVE	URY		Cotle 82205
8. Name And Address Of Contractor (No., Str	eer, City, County, State and	Zip Code)		9A. Amendme	nt Of Solicitati	on No.
RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01810-4499				9B. Dated (See	1tem 11)	
		1	×	10A. Medifica	tion Of Contra	et/Order No.
			1	10B. Dated (Se		
Code 05716 Facility Code				2003MAR17		
11.	THIS ITEM ONLY APPLI	ES TO AMENDMENTS	OFS	LICITATION	S	
may be made by telegram or letter, provide hour and date specified.  2. Accounting And Appropriation Data (If re NO CHANGE TO OBLIGATION DATA	equired)					provide the openin
13. TH	IS ITEM ONLY APPLIES T It Modifies The Contr	TO MODIFICATIONS C act/Order No. As Descri			DERS	
A. This Change Order is Issued Pursue The Contract/Order No. In Item 10				The C	hanges Set For	th In Item 14 Are Made Ir
B- The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The			ges (suc	h as changes ir	paying office,	appropriation data, etc.) 5
C. This Supplemental Agreement is En	stered into Pursuant To Aut	hority Of:				
D- Other (Specify type of modification	and authority)					
IMPO RTANT: Contractor is not 4. Description Of Amendment/Modification (	AND DESCRIPTION OF THE PERSON	this document and return			opies to the Issu	
	Corganized by OCF section I	readings, meading solici	imilative	omi set subject	maner where	reasine.)
SEE SECOND PAGE FOR DESCRIPTION						
xcept as provided herein, all terms and condi	itions of the document refer	enced in Item 9A or 10A,	as here	tofore change	l, remains uncl	nanged and in full force un
ACCOUNT		164 Name And	Title (	of Cantracting	Officer (Type	or print)
	15C. Date Signed					C. Date Signed
	4/11/13					1/2/13
ISN 754 O-01-152-8070 REVIO TUS EDITIONS UNUSABLE						0 (REV. 10-83) R (48 CFR) 53.2

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00050

Page 2 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE POLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 44 EN12-06 REV "A".

A-3 BY EXECUTION OF THIS MODIFICATION REALIGNMENT OF DECREASE FROM LABOR HOURS ARE AS FOLLOWS.

SLIN 0004AL (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL

SLIN 0004AM (MATERIAL) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS UNCHANGED.

\*\*\* END OF MARRATIVE A0050 \*\*\*

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00050

Page 3 of 5

TEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
004	#12378 SITE SELECTIO				
04AL	FY12 OPTION ESM EN12-06		LO		\$
	CLIN CONTRACT TYPE: Cost Plus Fixed Fee				
	GENERIC NAME DESCRIPTION: #12378 SITE SELECTIO PRON: 4M2J721900 PRON AMD: 01 ACRN: AF				
	SLIN 0004AL DIRECT LABOR HOURS: DIRECT LABOR & BURDER				
	MATERIAL TOTAL				
	(End of narrative B002)	Τ			
		-			
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin				
	Deliveries or Performance DLVR SCH PERF COMPL				
	CO1 OUANTITY DATE 27-SEP-2013		*		
	\$				
4AM	FY12 OPTION ESM EN12-D6	_	LO		
	+		DC		<b>Y</b>
	CLIN CONTRACT TYPE:  Cost Plus Fixed Fee  GENERIC NAME DESCRIPTION: #12378 SITE SELECTIO  PRON: 4M2J721900 PRON AMD: 01 ACRN: AF				
	SLIN COC4AM DIRECT LABOR HOURS: DIRECT LABOR & BURDE				
	MATERIAL TOTAL				
	(End of narrative B002)				
	Inspection and Acceptance				
	INSPECTION: Origin ACCEPTANCE: Origin				

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00050

Page 4 of 5

ITEM NO	or or Contractor: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY UNI	T UNIT PRICE	AMOUNT
		QUANTITY	UNITRICE	AMOUNT
	Deliveries or Performance			
	\$			
	4)			
	SAI			

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00050

Page 5 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda

Title

Number

Date

of Pages

Transmitted By

15-MAR-2013

Attachment 0044

ENGINEERING SERVICES MEMORANDUM EN12-06 REV "A"

003

EMAIL

EXPLINATION OF REVISION:

Rev — Berittel tesses

Rev A — Transfer Labor Dollars to Material Collars — net sero contract dellar change

PAYTHEON COMPANY

		ERING S		- 1111		ESM NO.		
U.S. A		TION AND ME ARSENAL				EN12-06A		
			, ,,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			3/15/2013		
ROJECT TITLE	arries Olempias	_			V31P4Q-1	0.00000		
Site Selection and Ex	ercise Planning of eam			-	COST ACCOUNT	0-0-0003		
9/3/2012 - 9/27/201	3	1 74						
Ite Selection	PIK							
rovide up to seven co epresentatives when our the CONUS JLENS overnment in develop	conducting CO deployment b	NUS site scree ased upon defi	nings. These s ned criteria. As	part of the	s will asses	s the suitability o	f up to three sit	
formation available to creening is to enable anditions, external en ith the intent of ruling spected that the scree	a small team to vironmental far several sites of	o visually obser- ctors (such as e out to arrive at a	ve and coilect of electromagnetic a manageable of	data on the spectrum puantity for	ne location, n, airspace or a future n	accessibility, ger restrictions, etc.) nore detailed site	neral soil and other item	
GOVERNMENT FURNME		DATE REG	NUMED RET	IRN DATE	-	COMPITION OF RE	TUAN	
o be specified in Sub-ESN	ns as required				1			
ESULTING DOCUMENTATION, H	ARDWARE, BENEFITS	AND DELIVERY DATE						
o be specified in Sub-ESN	ts as required							
THE AYED COST	** THE FOLI	LOWING IS PRO	PRIETARY INFO	ORMATIO	N PROTECT	ED UNDER P. L.	100-679 * * *	
	ORIGINAL	CHAMOE	CHANGE	-	CHANGE	CHANGE	CHANGE	
RECT LABOR HOURS								
RECT LABOR & BURDEN &				3		1	3	
DEST TWEUECONTA LER 3				8		1		
HERE S				8		8	8	
TOTAL T				6	-		8	
BROTHORE M								
Raythe IDG:	on .		4	CMDe P.O.				
MC EURRENCE BIONATURES:	RAYTHEON IDS	1	DATE 8		CMDS PROJEC	T OFFICE	I DATE	
Initial Issue			9/17/2012					
EVICEN			3/15/2013				4/1/13	
VI SION			-				11 113	
EVISION						7		
NOIS IVE							-	
, ED.			4					

Sheet 1

## **ENGINEERING SERVICES MEMORANDUM**

FDRM 5H-31-00-04

Site Selection Cont'd				EN12-06A	
Personnel required for the site so:  Radar System engineer to Communications Engineer Logistician to assess tran Platform engineer to evalue Power engineer to evalue Integration/Safety Engine Project Manager to coord	o assess line of a to assess ne sportation, accurate the site for the commercial er	of site and potentle twork infrastructuressibility and local or flight suitability	re and data movement ba al sources of supply		ndover, etc
Raytheon will participate with the output will be a site screening b contract award. Planning will incli	riefing and rep	ort. The expect	ed period of performance	will extend six m	nonths from
Labor 3 site visits for 6 people: Prep/vis 3 Huntsville visits for 6 people: Pre Site Screening Briefing & Final Re Team lead - Continuity and JPO li  Material TCOM 3 site visits for 1 Person at 3 Huntsville visits for 1 Person at 5 Trips – 3 site visits; 3 Huntsville DS Travel 6 People for 3 Site Visits; 6 Peop	ep/visit/iollow- eport: Data con ialson at visit	up at per p npilation/analysis 6 months			
ILESTONE PLAN (MEASURABLE TASKS ONLY) MILESTONE	STARY DATE	END DATE	MILESTONE	START DATE	END DATE

Shaet ?

ENGINE	ERING	SERV	ICES MEMORA	NDUM FOR	M 6H-31-00-04
				EN12-06A	
PROPERTION OF PROPOSED WORK (CONT) Exercise Planning Provide up to 4 full time equivalent of the FTEs will be the Raytheous depending on the planning stage network integration, transportation planning, public impact assessment of activities will vary in topic and of fiscal 2013. Planning will also in	n exercise lea and topic. P , site integrations, hardware letail as exerci-	ad and the Planning will on & activat subsystem sise planning	primary JPO counterpart. To include such Items as: site of ion, electromagnetic spectrum selection (Orbit 1 or Orbit 2), of matures. The period of performance	ary plans for the exe the other three FTE development, common analysis, risk asset etc. It is anticipated	Es will vary ns planning, ssment and that the list
POP = Sept 2012 - Sept 2013.					
Labor 3 FTEX					
IDS Travel 3 people for 6 trips to Huntsville					
SAS Travel 1 person for 6 trips to Huntsville					
SAS Labor					
Revison B Spending profile has changed to a Revised from material to Subcontro	actor Labor to	ditional Subo accurately	contractor and IOT labor effort reflect Subcontractors/IOTs ef	s instead of labor efforts.	forts.
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE
5					

CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00050
ATTACHMENT 0044
3 OF 3 APR 1 2 2013

AMENDMENT OF SOLICITA	TION/MODIFICATI	ION OF CONTRACT	I. Contract II		Page 1 Of 7
2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req			o. (If applicable)
P00051	JUN 1 4 2012	SEE SCHEDULE			
6. Issued By	Code W31P4Q	7. Administered By (If other	than Item 6)		Code S2205
MAND-REDSTONI 35898~5280		DCMA RAYTHEON TEWKS 50 APPLE HILL DRIVE M/S T2FR2 TEWKSBURY MA 01876	E		
8. Name And Address Of Contractor (No., S	treet, City, County, State and	Zip Code)	9A. Amendmen	nt Of Solicitation	on No.
RAYTHEON COMPANY					
350 LOWELL ST			9B. Dated (See	Item 11)	
ANDOVER, MA 01810-4400			15.00.000.000	-335000 5.8%	
		[X]	10A. Modificat	ion Of Contra	et/Order No.
			W31P4Q-10-C-	0003	
			10B. Dated (See	e Item 13)	7
Code 05716 Facility Code			2003MAR17		
1	I. THIS ITEM ONLY APPL	IES TO AMENDMENTS OF S	IENTS OF SOLICITATIONS		
hour and date specified.  2. Accounting And Appropriation Data (If a ACRN: AF NET INCREASE: \$599, 935.)  13. The Contract/Order No. In Item	OIS ITEM ONLY APPLIES THE Modifies The Contr ugnt To:	TO MODIFICATIONS OF CO	Item 14.		th in liem 14 Are Made In
B. The Above Numbered Contract/O Forth in Item 14, Pursuant To Th	rder Is Modified To Reflect T		ich as changes in	paying office,	appropriation data, etc.) Sec
C. This Supplemental Agreement Is I	intered Into Pursuant To Aut	therity Of:			
D. Other (Specify type of modification	n and authority)				
.IMPORTANT: Contractor is n	ot. This required to sign	this document and return	con	ples to the Issu	ling Office
4. Description Of Amendment/Modification					
SEB SECOND PAGE FOR DESCRIPTION					
xcept as <b>pr</b> ovided herein, all terms and con	ditions of the document refer	enced in item 9A or 10A, as he	retofore changed,	, remains unch	nanged and in full force and
feet.  A Name And Title Of Signer/Type or exi-	(4)	I6A, Name And Title	Of Contracting (	Officer (Type o	or print)
(SI2 Datum of person nulliorized to sig	15G. Date Signed				6/14/13
SN 7540-01-152-8070	Marine - 1	30			M 30 (REV. 10-83)

Reference No. of Document Being Continued

MOD/AMD P00051

Page 2 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 44 EN12-06 REV "B".

A-3 BY EXECUTION OF THIS MODIFICATION REALIGNMENT OF DF LABOR DOLLARS FROM SLIN 0004AL TO MATERIAL DOLLARS ON SLIN 0004AM TO INCREASE FROM LABOR HOURS ARE AS FOLLOWS.

SLIN GOO4AL (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



SLIN 0004AM (MATERIAL) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT IS INCREASED IN THE AMOUNT OF \$599,935 FROM \$14,314,271.00 TO \$14,914.206.00.

A-5 BY EXECUTION OF THIS MODIFICATION THE GOVERNMENT DOES NOT CONCUR WITH ASSUMPTIONS PROIR TO THE TEST EVENT.

A-6 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EPPSCT.

\*\*\* END OF NARRATIVE A0051 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00051

Page 3 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0004	FY12 OPTION PERIOD JLENS ENG SRVS				
		1			
				-	
	FY13 Labor Material Total				
	PCL COST G&A				
	TCL COST (W/O COM)				
	COST OF MONEY FEE				)
,	CPFF				
	Hours Hours Description Hours Exercised Remaining			1	
	PM/CM				
	ENGINEERING PRODUCT ASSUR/TES'				
	LOGISTICS TOTAL	1			
	IOIAL	-	1 (		
	Material Material  Description Material Exercised Remaining				
	ESTIMATED COST				
	COST OF MONEY FIXED FEE				
	CPFF				
		-1			
	COMPOSITE HOURLY RATE IS FOR				
	(End of narrative B007)	1			
004AL	FY12 OPTION ESM EN12-06		LO		\$
JUANA	FITZ OFFICE SSM BELZ-06	-	10		9
	GENERIC NAME DESCRIPTION: #12376 SITE SELECTIO				-
14	PRON: 4M2J721900 PRON AMD: 02 ACRN: AF	1			
	SLIN 0004AL				
	DIRECT LABOR HOURS: DIRECT LABOR & BURDEN				
	MATERIAL		-		
	TOTAL	-			
	(End of narrative B003)	1			
	,				
	Estimated Cost	1			
	COM Fixed Fee	1 -			
	rance rec	1	1		

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00051

Page 4 of 7

TOTAL  SM Description FY13 Hours EN12-068 Labor  COMPOSITE HOURLY RATE  (End of narrative B004)  Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin  Deliveries or Performance DLVR SCH REL CD QUANTITY DATE  001  \$  GENERIC NAME DESCRIPTION: \$12378 SITE SELECTIO PRON: 4M2J721900 PRON AMD: 02 ACRN: AF  Estimated Cost COM FYIZ OFFICE SELECTION: \$12376 SITE SELECTIO PRON: 4M2J721900 PRON AMD: 02 ACRN: AF	AMOUNT
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Estimated Cost	
СОМ	
COM	
Total	
ESM Description Hours	
EN12-06B MATERIAL	
COMPOSITE HOURLY RATE	
(AZ (G 50	
(End of narrative B003)	
CALVITA CONSTITUTO NEW YORK NAME OF THE PARTY NA	
SLIN 0004AM FROM BY TO DIRECT LABOR HOURS:	
PARSET MENOR HOURS.	

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00051

Page

5 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT DIRECT LABOR & BURDEN MATERIAL TOTAL (End of narrative B004) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 27-SEP-2013

Reference No. of Document Being Continued Page 6 of 7 CONTINUATION SHEET PHN/STIN W31P4Q-10-C-0003 MOD/AMD P00051 Name of Offeror or Contractor: RAYTHEON COMPANY SECTION G - CONTRACT ADMINISTRATION DATA PRON/ LINE AMS CD/ OBLG JO NO/ INCREASE/ CUMULATIVE ITEM MIPR STAT ACCT ASSIGN ACRN PRIOR AMOUNT DECREASE 0004AL 4M2J721900 A.0000013.1.2 2 AF 0004AM 4M2J721900 2 A.0000013.1.2 AF NET CHANGE 599,935.00 INCREASE/ ACRN ACCOUNTING CLASSIFICATION DECREASE AF 021 201220132040 A5XFJ 172419E55FPDG 251C L032010465 A.0000013.1.2 021001 \$ 599,935.00 NET CHANGE \$ 599,935.00

PRIOR AMOUNT INCREASE/DECREASE CUMULATIVE OF AWARD AMOUNT OBLIG AMT NET CHANGE FOR AWARD: 14,314,271.00 599,935.00 14,914,206.00

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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00051

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0044

Number

of Pages Transmitted By

EMAIL

ENGINEERING SERVICES MEMORANDUM EN12-06 REV "B"

28-MAY-2013

004

				ESM NO.	
U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA				EN12-06	В
		5/28/2013			
O.H.CT WILE			CONTRACT NO.	WATER CATALOGUE	
Site Selection and Exercise Planning			N31P4Q-1	0-C-0003	
9/3/2012 - 9/27/2013			COST ACCOUNT		
te Selection					
rovide up to seven contractor personne presentatives when conducting CONUs the CONUS JLENS deployment base overnment in developing the site screen attering the screening process multiple stormation available from Public, DoD as creening is to enable a small team to visit the intent of ruling several sites out the pected that the screening would require	S site screenings. To d upon defined crite ning plan and selecti sites are selected ba and other Governmen sually observe and co is (such as electromic to arrive at a manage	hese screening ria. As part of to on criteria.  sed on cperatio at (ex. FAA, FCC ollect data on to agnetic spectrum eable quantity for	s will asses his effort Re onal conside c) resource ne location, n, airspace or a future r	s the suitability of aytheon will support of the purpose accessibility, gerestrictions, etc.	of up to three site port the delines using of the site neral soil ) and other items
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	ORLIVERY DATE				
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ILENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00051
ATTACHMENT 0044
1 OF 4 JUN 1 4 2013

### **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

		Control of the latest and the latest	Conservation of the Conser	EN12-068	
Site Selection Cont'd					
Personnel required for the site  Radar System enginer			ential RF interference source	950	
			cture and data movement		wover atc
<ul> <li>Logistician to assess t</li> </ul>				Many in Contraction in	HANNET BIN
<ul> <li>Platform engineer to e</li> </ul>					
<ul> <li>Power engineer to eva</li> </ul>					
<ul> <li>Integration/Safety Eng</li> </ul>	ineer				
<ul> <li>Project Manager to co</li> </ul>	ordinate team				
Raytheon will participate with output will be a site screening contract award. Planning will in Labor  3 site visits for 6 people: Prepare to site screening Briefing & Final Tearn lead - Continuity and JP Material Town  3 site visits for 1 Person at 3 Huntsulle visits for 1 Person & Trips - 3 site visits; 3 Muntau  5 Travel  5 People for 3 Site Visits; 6 Pe	g briefing and reported three trips  /visit/follow-up at Prep/visit/follow-up at Report: Data con O liaison at  at	to Huntsville; up al	pected period of performant pre-planning, mid-term dis- per person =	nce will extend six m	ionths from
III ESTANTA MANAGAMANA AND AND AND AND AND AND AND AND AND					
MILES TONE PLAN (MEASURABLE TASKS ONLY MILESTONE	START DATE	END DATE II	MILESTONE	TART DATE	CND DATE
The second secon		END DATE	MILESTONE	START DATE	END DATE
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MILESTONE PLAN (MEASURABLE TASKS ONLY		END OATE	MILESTONE	START DATE	CND DATE

FORM 5H-31-00-04

**ENGINEERING SERVICES MEMORANDUM** 

				EN12-068	
DESCRIPTION OF PROPOSED WORK (CONT)					
Exercise Planning	(FTF) based	A	150 de elecies (becene		raine One
Provide up to 4 full time equivale	nt (FIE) neads	to work with	JPU developing the necessa	ry plans for the exe	rcise. Une
of the FTEs will be the Rayther					
depending on the planning stage					
network integration, transportation					
planning, public impact assessmi	ents, hardware	subsystem s	election (Orbit 1 or Orbit 2), e	tc. It is anticipated	that the list
of activities will vary in topic and	detail as exerc	ise planning	matures. The period of period	rmance will extend	to the end
of fiscal 2013. Planning will also					
POP = Sept 2012 - Sept 2013.	ACTION CONTROL				
Labor					
	_				
3 FTE x 13 months =					
IDS Travel					
3 people for 6 trips to Huntaville					
SAS Travel					
1 person for 6 trips to Huntsville					
SAS Labor					
-					
		Y			
MILES TONE PLAN (MEASURABLE TABKS ONLY)					
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE
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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00051 ATTACHMENT 0044 3 OF 4

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### **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-05-0

OIN

EN12-06B

DESCRIPTION OF PROPOSED WORK (CONT)

Support an Integrated Fire Control (IFC) Advanced Medium-Range Air-to-Air Missile (AMRAAM) demonstration at Utah Test and Target Range (UTTR) near Salt Lake City, Utah, anticipated to happen during July 2013. Raytheon will provide mission planning support for the IFC event including coordination with JPO and Raytheon Missile Systems (RMS) AMRAAM Subject matter Experts (SME).

- Participate in kick-off meetings, subsequent planning and coordination meetings, and Test Readiness Review in June via VTC, Telecon, or in person as required by the Government.
- Participate in developing the Mission Concept of Operations (CONOPs) and support JPO interface checkout and review, and perform analysis of message traffic from JLENS to the Government Furnished Equipment (GFE) message translation system (WRIATII).
- Perform pre-mission analysis including variations in geometry and mission timeline in the Raytheon Integrated Air Defense Systems (IADS) JLENS System Integration Lab (SIL) and provide support CMDS SIL simulations.
- Perform analysis of JLENS error performance in pre-mission simulations of AMRAAM support requirements.
- Provide RMS AMRAAM SMFs with pre-mission results in support of missile fly out analysis.
- Support Government generated test plan and test report development.
- Support Government JAT quick look reports development for the walk up missions and live event.
- 8. Provide SME support during two walk up events and the live fire event at UTTR.

• Trave	nfrastructure (finance/o	juality)			
MILESTONE PLAN (MEASURABLE TASK MILESTONE	START DATE	FND DATE	MLESTONE	START DATE	END DATE
		*			

JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00051 ATTACHMENT 0044 4 OF 4 JUN 1 4 2813

AMENDMENT OF SOLICITA	ON OF CONTRACT	1. Contract ID Code Cost Plus Fixed Fee		Page 1 Of 7	
2. Amendment/Modification No.	AUG 2 9 200				o. (If applicable)
6. Issued By	Code W31P40	7. Administered By (If other )	than Item 6)		Code S2205
ARMY CONTRACTING COMMAND-REDSTON REDSTONE ARSENAL AL 35898-5280	ais	DCMA RAYTHEON TEWKSE 50 APPLE HILL DRIVE M/S T2FR2 TEWKSBURY MA 01876			-
EMAIL: Name And Address Of Contractor (No., S	treet, City County, State and	Zin Code)	9A. Amendmen	t Of Solicitation	on No.
RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01810-4400	county, county, county		9B. Dated (See	-20-20-20-20-20-20-20-20-20-20-20-20-20-	
		[X]	10A. Modificat	ion Of Contra	ct/Order No.
		-	W31P4Q-10-C-	0003	
			10B, Dated (See	tem 13)	
Code 05716 Facility Code			2003MAR17		
1	II. THIS ITEM ONLY APPLI	ES TO AMENDMENTS OF SO	DLICITATIONS	5	
hour and date specified.		kes reference to the solicitation	and this amend	ment, and is re	ndy submitted, such change eccived prior to the opening
hour and date specified.  2. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.	required)	ikes reference to the solicitation			
hour and date specified.  2. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.  13. T  A. This Change Order is Issued Purs	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contr		NTRACTS/ORE	DERS	
hour and date specified.  12. Accounting And Appropriation Data (If ACRN: AP NET INCREASE: \$318,564.  13. T	required)  Output  THIS ITEM ONLY APPLIES T  It Modifies The Controvers  Suant To:  10A.  Order Is Modified To Reflect T	TO MODIFICATIONS OF COI act/Order No. As Described In the Administrative Changes (suc	NTRACTS/ORE Item 14. The Ch	DERS anges Set For	th In Item 14 Are Made In
hour and date specified.  2. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.  13. T  A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contr suant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b)	TO MODIFICATIONS OF COI act/Order No. As Described in the Administrative Changes (suc	NTRACTS/ORE Item 14. The Ch	DERS anges Set For	th In Item 14 Are Made In
hour and date specified.  12. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.  13. T  A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O Forth In Item 14, Pursuant To T	required) OG THIS ITEM ONLY APPLIES T It Modifies The Contribution Suant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b) Entered Into Pursuant To Authority	TO MODIFICATIONS OF COI act/Order No. As Described in the Administrative Changes (suc	NTRACTS/ORE Item 14. The Ch	DERS anges Set For	th In Item 14 Are Made In
hour and date specified.  12. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.  13. T  A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O Forth in Item 14, Pursuant To T  C. This Supplemental Agreement Is in D. Other (Specify type of modification of the Contractor is in Important to T.)	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contrisuant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b) Entered Into Pursuant To Author and authority) not, x is required to sign	TO MODIFICATIONS OF COI act/Order No. As Described in the Administrative Changes (suc hority Of:	NTRACTS/ORI Item 14. The Ch th as changes in	DERS  nanges Set Fore paying office,	th In Item 14 Are Made In appropriation data, etc.) Set
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hour and date specified.  2. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.  13. T  A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O Forth In Item 14, Pursuant To T  C. This Supplemental Agreement Is I  D. Other (Specify type of modification.)	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contrisuant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b) Entered Into Pursuant To Author and authority) not, x is required to sign	TO MODIFICATIONS OF COI act/Order No. As Described in the Administrative Changes (suc hority Of:	NTRACTS/ORI Item 14. The Ch th as changes in	DERS  nanges Set Fore paying office,	th In Item 14 Are Made In appropriation data, etc.) Set
hour and date specified.  12. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.  13. T  A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O Forth In Item 14, Pursuant To T  C. This Supplemental Agreement Is  D. Other (Specify type of modifications.)  E. IMPORTANT: Contractor is in 14. Description Of Amendment/Modifications.	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contrisuant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b) Entered Into Pursuant To Author and authority) not, x is required to sign	TO MODIFICATIONS OF COI act/Order No. As Described in the Administrative Changes (suc hority Of:	NTRACTS/ORI Item 14. The Ch th as changes in	DERS  nanges Set Fore paying office,	th In Item 14 Are Made In appropriation data, etc.) Set
A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O Forth In Item 14, Pursuant To T  C. This Supplemental Agreement Is  D. Other (Specify type of modifications. Important of the contract/Order No. In Item  L. IMPORTANT: Contractor is in item  4. Description Of Amendment/Modifications.	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contrisuant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b) Entered Into Pursuant To Author and authority) not, x is required to sign	TO MODIFICATIONS OF COI act/Order No. As Described in the Administrative Changes (suc thority Of:	NTRACTS/ORI Item 14. The Ch th as changes in	DERS  nanges Set Fore paying office,	th In Item 14 Are Made In appropriation data, etc.) Set
A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O Forth In Item 14, Pursuant To T  C. This Supplemental Agreement Is  D. Other (Specify type of modifications.)  IMPORTANT: Contractor is is in a contract/O is in Item  4. Description Of Amendment/Modifications.	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contrisuant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b) Entered Into Pursuant To Author and authority) not, x is required to sign	TO MODIFICATIONS OF COI act/Order No. As Described in the Administrative Changes (suc thority Of:	NTRACTS/ORI Item 14. The Ch th as changes in	DERS  nanges Set Fore paying office,	th In Item 14 Are Made In appropriation data, etc.) Set
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hour and date specified.  12. Accounting And Appropriation Data (If ACRN: AF NET INCREASE: \$318,564.  13. T  13. T  A. This Change Order is Issued Purs The Contract/Order No. In Item  B. The Above Numbered Contract/O Forth in Item 14, Pursuant To T  C. This Supplemental Agreement Is in D. Other (Specify type of modification of Amendment/Modification SEE SECOND PAGE FOR DESCRIPTION Caccept as provided herein, all terms and contractor as a provided herein.	required) .00 THIS ITEM ONLY APPLIES T It Modifies The Contrisuant To: 110A. Order Is Modified To Reflect T the Authority of FAR 43.103(b) Entered Into Pursuant To Author and authority) not,  is required to sign on (Organized by UCF section by	this document and return	NTRACTS/ORI Item 14.  The Ch th as changes in  contract subject	paying office, a	th In Item 14 Are Made In appropriation data, etc.) Set sing Office.  Feasible.)
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CONTINUATION SHEET	Reference No. of Document Being Continued				
CONTINUATION SHEET	PHN/SHN W31P4Q-10-C-0003	MOD/AMD P00052			
Name of Offeror or Contractor: RAYTHEON COM	PANY				

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name
Buyer Office Symbol/Telephone Number
Type of Contract: Cost Plus Fixed Fee
Kind of Contract: Service Contracts
Type of Business: Large Business Performing in U.S.
Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 44 EN12-06 REV "C".

Page 2 of 7

A-3 AS A RESULT OF THIS MODIFICATION FROM SLIN 0004AL ARE CONVERTED TO IN MATERIAL DOLLARS UNDER SLIN 0004AM. A
REALIGNMENT OF MATERIAL DOLLARS IN THE AMOUNT OF FROM CLIN 0005 TO CLIN 0004 IS INCOPORATED TO INCREASE MATERIAL DOLLARS ON SLIN
0004AM FROM THE REALIGNMENT IS REFERENCED IN THE NARRATIVE UNDER CLIN 0005.

A-4 BY EXECUTION OF THIS MODIFICATION LABOR DOLLARS UNDER SLIN 0004AL ARE INCREASED BY THE LABOR HOURS UNDER SLIN 0004AL ARE INCREASED BY THE INCREASES FOR SLINS 0004AL AND 0004AM ARE AS FOLLOWS.

SLIN 0004AL (LABOR)
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

SLIN 0004AM (MATERIAL
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

A-5 AS A RESULT OF THIS MODIFICATION SECTION G IS COPRECTED TO REFLECT THE CURRENT CUMULATIVE AMOUNTS FOR SLIN 6004AL AND 0004AM.

A-6 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT IS INCREASED IN THE AMOUNT OF \$318,564 FROM \$14,914,206.00 TO \$15,232,770.00.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0052 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00052

Page 3 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0004	FY12 OPTION PERIOD JLENS ENG SRVS				
	FY13 Labor Material Total PCL COST GEA TCL COST (W/O COM) COST OF MONEY FEE CPFF				
	Hours Hours				
	Description Hours Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS				E.
	TOTAL				
	Description Material Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FSE CPFF				
	COMPOSITE HOURLY RATE IS FOR				
	(Rnd of narrative BODA)				
	**				
OO4AL	FY12 OPTION ESM EN12-06		LO		\$
	GENERIC NAME DESCRIPTION: #12738 SITE SELECTIO CLIN CONTRACT TYPE:				
	Cost Plus Fixed Fee PRON: 4M2J721900 PRON AMD: 05 ACRN: AF				
	Sstimated Cost				
	Fixed Fee Total		-		
	RSM Description EN12-06C Labor				

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00052

Page 4 of 7

SUPPLIES/SERVICES	OHANTETA	UNIT	UNIT PRICE	AMOUNT
	QUANTITY	UNII	UNIT PRICE	AMOUNT
(End of narrative B005)				
Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin	,			
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Estimated Cost COM Fixed Fee Total		,		
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CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00052

Page 5 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0005 FY13 OPTION PERIOD JLENS ENG SRVS FY13 Material PCL COST G&A TCL COST (W/O COM COST OF MONEY FEE CPFF Description PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Description Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B007)

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION

AF 021 201220132040

AF 021 201220132040 A5XFJ 172419E55FPDG 251C L032010465 A.0000013.1.2

ITEM

0004AL

0004AM

Reference No. of Document Being Continued Page 6 of 7 CONTINUATION SHEET PHN/SHN W31P4Q-10-C-0003 MOD/AMD P00052 Name of Offeror or Contractor: RAYTHEON COMPANY SECTION G - CONTRACT ADMINISTRATION DATA PRON/ LINE AMS CD/ OBLG JO NO/ INCREASE/ CUMULATIVE ITEM MIPR STAT ACCT ASSIGN ACRN 0004AL 4M2J721900 AF 2 A.0000013.1.2 0004AN 4M2J721900 2 A.0000013.1.2 AF NET CHANGE 318,564.00 INCREASE/ ACRN ACCOUNTING CLASSIFICATION DECREASE AF 021 201220132040 A5XFJ 172419E55FPDG 251C L032010465 A.0000013.1.2 021001 \$\_ 318,564.00 NET CHANGE \$ 318,564.00 INCREASE/DECREASE CUMULATIVE PRIOR AMOUNT OF AWARD TRUDOMA OBLIG AMT NET CHANGE FOR AWARD: 14,914,206.00 318,564.00 15,232,770.00 LINE

ASXFJ 172419E55FPDG 251C L032010465 A.0000013.1.2

021001

021001

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00052

Page 7 of 7

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Title

Number

Addenda Attachment 0044

ENGINEERING SERVICES MEMORANDUM EN12-06 REV "C"

Date 28-MAY-2013 of Pages

Transmitted By

U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA				С
Site Selection and Exercise Planning		CONTRACT N		
Site Selection and Exercise Planning		COST ACCOU	2-10-C-0003	
9/3/2012 - 9/27/2013				
DESCRIPTION OF PROPOSED WORK Lite Selection				
epresentatives when conducting CONUS site sor or the CONUS JLENS deployment based upon di government in developing the site screening plan. Entering the screening process multiple sites are information available from Public, DoD and other screening is to enable a small team to visually ob- conditions, external environmental factors (such a with the intent of ruling several sites out to arrive a expected that the screening would require on the	efined criteria. As p and selection criteri selected based on c Government (ex. FA serve and collect da as electromagnetic s at a manageable qu	part of this effort ia. operational cons AA, FCC) resour ita on the location opectrum, airspanantity for a future	Haytheon will supplications and guides. The purpose on, accessibility, gence restrictions, etc.	lelines using of the site neral soil ) and other item
GOVERNMENT FURNISHED EQUIPMENT DATE	REQUIRED RETUR	N DATE	CONDITION OF RE	TURN
	REQUIRED RETUR	N DATE	CONDITION OF RE	ETURN
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GOVERNMENT FURNISHED EQUIPMENT DATE  TO be specified in Sub-ESMs as required  ESULTING DOCUMENTATION, HARDWARE, BENEFITS AND DELIVERY D.  TO be specified in Sub-ESMs as required		N DATE	CONDITION OF RE	CTURN
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EXPLANATION OF DEVISION:

Rev B - AMRAAM IFC Scope Addition

Rev C - CTE Participation Scope Addition

Rev C - CTE Participation Scope Addition

Sheat t

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-0

				EN12-06C	
DESCRIPTION OF PROPOSED WORK (CONT) Site Selection Cont'd					
	STOCKARD TO SAME				
Personnel required for the site si	creening would	be:			
			tial RF interference source		94
			ure and data movement b	ack to Huntsville, Ar	dover, etc
<ul> <li>Logistician to assess tra</li> </ul>					
<ul> <li>Platform engineer to eve</li> </ul>					
Power engineer to evalu		power sources	for site use		
<ul> <li>Integration/Safety Engin</li> </ul>					
<ul> <li>Project Manager to coor</li> </ul>	dinate team				
Raytheon will participate with th	e government t	eam in analyzir	ng the survey results and	ranking the sites.	Raytheon's
output will be a site screening	briefing and rep	ort. The expe	cted period of performance	ce will extend six m	onths from
contract award. Planning will inc	clude three trips	to Huntsville; pr	e-planning, mid-term disc	ussions and a final o	utbrief.
Labor				4	
3 site visits for a people. Prep/vi	init/follow up at 1	00 has many dalk -			
Huntsville visits for 6 people: P	son Avinit follow	o nrs per visit t	er person		
Site Screening Briefing & Final F	Report: Data con	apilaron/enaive	SVADORIDVANDO	-53	
Feam lead - Continuity and JPO	liaison at	for 6 month	a/report/brieting		
Material TCOM	Ÿ				
site visits for 1 Person at					
Huntsville visits for 1 Person a					
Trips - 3 site visits; 3 Huntsville	e visit				
DS Travel					
People for 3 Site Visits; 6 Peo	nle for 3 Huntsy	ille trins			
- sepis for a dita vidita, a r do	pic for o tidinav	ille tripa			
					4
167					
9					
LESTONE PLAN (MEASURABLE TASKS ONLY)					
MILESTONE	START DATE	END DATE:	MICESTONE	START DATE	END DATE
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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00052 ATTACHMENT 0044 2 OF 5 NIG 2 9 2013

### **ENGINEERING SERVICES MEMORANDUM**

FORM SH-31-00-04

T.				EN12-06	С
Exercise Planning  Provide up to 4 full time equivale of the FTEs will be the Raythe depending on the planning stag network integration, transportation planning, public impact assessment activities will vary in topic and of fiscal 2013. Planning will also	on exercise les le and topic. P on, site integrati lents, hardware I detail as exerc	ad and the Planning will on & activat subsystem ise planning	primary JPO counterpart. T include such items as: site of ion, electromagnetic spectrum selection (Orbit 1 or Orbit 2), of matures. The period of performance	he other three in development, con analysis, risk as etc. It is anticipal	TES will vary mms planning sessment and ted that the lis
POP = Sept 2012 - Sept 2013. Labor 3 FTE x					*
IDS Travel 3 people for 6 trips to Huntsville					
SAS Travel					
1 person for 6 trips to Huntsville					
PAS Labor					
					1
ME. ESTONE PLAN (MEASURABLE TASKS ONLY) MILESTONE	I SIAN DATE	I END DATE	AND STORE	Siantina	TR 1982 196 (F.
		The activities the			
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# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

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EN12-06C

DESCRIPTION OF PROPOSED WORK (CONT)

**CTE Participation** 

Prepare the Casper Site for the aerostat to be elevated to nominal altitude and operate on the MIDS Link-16 network nominally 6 hours per day June 4th through the 7th, with preparations beginning on 28 May 2013. The FCR and MIDS systems must be functionally sufficient to support this mission.

June 4 & 5th will be an integration and checkout connectivity with the Western Air Defense Sector (WADS) "Pocket J" Link-16 network. June 6 & 7th will be with the Culminating Training Exercise (CTE) connecting to the Davis Dome Link-16 network. Operators will be performing acquisition and tracking of air objects, coordinating with the Link-16 air surveillance track coordinator performing tasks as directed for track production and supplemental/amplifying information, Combat ID, RADAR surveillance sector adjustments, etc. (performing normal Mission Operations).

Upon completion of these activities, return the system to its "flyable storage" configuration. Provide a mission report of daily activities with an executive summary to include lessons learned, observations, and quick-look / mini-test report.

MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE
	×				
<u>.</u>					
	£		X		

JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00052 ATTACHMENT 0044 4 OF 5 AUG 2 9 2013

AMENDMENT OF SOLICITATI	ION/MODIFICATI	ON OF CONTRAC	T	1. Contract I		Page 1 Of 4
2. Amendment/Modification No.	3 Effective Date 2 9 2013	4. Requisition/Purchase F	255	•	5. Project N	lo. (If applicable)
. Issued By	Cede W31P4Q	7. Administered By (If ot		in Item 6)		Code S220!
ARMY CONTRACTING COMMAND-REDSTONE		DCMA RAYTHEON TE	wksau	RY		(Contraction)
REDSTONE ARSENAL AL 35898-5280		50 APPLE HILL DR	IVZ			
100 100 ARSENAL AL 33098-5280		M/S T2FR2 TEWKSBURY MA 01	876-1	198		
	-4	20				
Name And Address Of Contractor (No., Stre	et, City, County, State and	Zip Code)	7 1 9	A. Amendmer	nt Of Solicitat	ion No.
RAYTHEON COMPANY			4	5 CON 11 TH 1	***********	
350 LOWELL ST			-	B. Dated (See	Irom III	
ANDOVER, MA 01810-4400			1	b. Dated (See	item (1)	
		[x	7	0A. Modifical	ion Of Contr	act/Order No.
		-	_	31P4Q-10-C-	-0003	
			-	OB. Dated (Se	-	
Code 05716 Facility Code			2	003MAR17	Section of the sectio	
u.	THIS ITEM ONLY APPLI	IES TO AMENDMENTS O	FSOL	ICITATION	S	
The above numbered solicitation is amend	led as set forth in item 14.	The hour and date specified	for re	ceipt of Offer	s	
				165		
is extended, is not extended.	region mestacelessibilitings	and the second second	25002			anna Wendersen and Park
Offers must acknowledge receipt of this amo	endment prior to the hour a	nd date specified in the solid	citation	or as amend	led by one of t	he following methods:
(u) By completing items 8 and 15, and return	ing copies o	f the umendments: (b) By a	cknow	ledging receip	of this amer	idment on each copy of the
offer submitted; or (c) By separate letter or						
ACKNOWLEDGMENT TO BE RECEIVE						
SPECIFIED MAY RESULT IN REJECTIO	N OF VOLID OFFED ICE	v virtue of this amendment	vou d	adien to chann	o on offer ale	and submitted tuch change
may be made by telegram or letter, provided	d anch telegram or letter me	ber reference to the reficite	you u	estre to chang	lment and is	endy submittee, such change
hour and date specified.	seach telegram or letter its	ikes reference to the soliciti	ation a	na this amend	iment, and is	received prior to the opening
2. Accounting And Appropriation Data (If rec	and an analysis of the second	The product of the last of the				
124 SAM (SAM) (SAM) 4 1	quirea)					
NO CHANGE TO OBLIGATION DATA						
12 700	C INTELL CALL V ARRA LEC	TO MODURA TRONG OF	C(C)	en a creson	nnne.	
13. 180		TO MODIFICATIONS OF ract/Order No. As Described			DEKS	
A. This Change Order is Issued Pursua	nt To:			The C	hanges Set Fo	rth In Item 14 Are Mude In
The Contract/Order No. In Item 10					1772	
B. The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The			(such	as changes in	paying office	, appropriation data, etc.) Se
C. This Supplemental Agreement Is En						ment to
C. Fins Supplemental Agreement Is En	tered into Pursuant 10 Aut	marity Ot:	, EU			- 17-16 13-16-11-11-11-11-11-11-11-11-11-11-11-11-
D. Other (Specify type of modification a	and authority)					
. IMPORTANT: Contractor is not.	le required to sign	this document and return			pies to the Is	ming Office
4. Description Of Amendment/Modification (			ion/co			Address of the Control of the Contro
The state of the s	A P D STATE OF THE				Nedscription (Normal)	
SEE SECOND PAGE FOR DESCRIPTION						
				8		
xcept as provided herein, all terms and condi	itions of the document refer	enced in item 9A or 10A, as	heret	ofore changed	I, remains und	hanged and in full force and
ffect.		16A. Name And T	Itle O	Contracting	Officer (Type	or print)
	1 ISC. Date Signed					te Signed
	262/10					e digited
	8/29/13	5				9/13
(Signature of person authorized to sign)		30				V 10 833
REVIOUS EDITIONS UNUSABLE		30-				V. 10-83) CFR) 53.24
		110				2

### **CONTINUATION SHEET**

Reference No. of Document Being Continued

MOD/AMD P00053

Page 2 of 4

PIIN/SIIN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

94

Buyer Office Symbol/Telephone Number:

SECTION A - SUPPLEMENTAL INFORMATION

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 46 EN13-03 REV "A".

A-3 BY EXECUTION OF THIS MODIFICATION SLIN 0005AF IS EXTENDED FROM 30 AUGUST 2013 TO 29 NOVEMBER 2013.

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT AMOUNT REMAINS UNCHANGED.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0053 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00053

Page 3 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO UNIT PRICE SUPPLIES/SERVICES QUANTITY UNIT **AMOUNT** SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 #11904 JLENS A-KIT D CLIN CONTRACT TYPE: Cost Plus Fixed Fee 0005AF LO FY13 OPTION EN13-03 MATERIAL/ODC GENERIC NAME DESCRIPTION: #11904 JLENS CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M2J722100 PRON AMD: 01 ACRN: AH Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 29-NOV-2013

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD 200053

Page 4 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0046

Title
ENGINEERING SERVICES MEMORANDUM EN13-03 REV 'A"

Date

28-AUG-2013

Number of Pages

Pages 11

Transmitted By

EMAIL

ENCINEEDING	CEDVICES	BAERAOD	ANIDIES
<b>ENGINEERING</b>	SERVICES	MENUR	ANDUM

FORM 5H-31-00-04

U.S. ARMY AVIATIO REDSTONE A	N AND MISSILE ARSENAL, ALAE		D	EN13-03.  DATE  8/28/2013	A
PROJECT TO E			CONTRACT NO.	10.00000	THE PARTY OF THE P
JLENS ESTIMATED COMPLETION DATE OF ESM			W31P4Q-1		
11/29/2013					
1. Support the functional redesign of procurement costs. 2. Conduct monthly reviews (one poschedule status. 3. Trade studies should assess chat that would drive costs downward Cost (DTUC). List of potential at 4. Conduct a decision review in Jan	er quarter in person inges to the existing using principles of reas for consideratio	Cost As an In	AL) to review and interface dependent Va d.	requirements (dariable (CAIV) an	ess and cost and
(See continuation sheet)					
GOVERNMENT FURNISHED EQUIPMENT	DATE REQUIRED	RETURN DATE	<b></b>	CONDITION OF RE	TURN
To be specified in Sub-ESMs as required	1				
RESULTING DOCUMENTATION, HARDWARE, BENEFITS AND	DELIVERY DATE				
To be specified in Sub-ESMs as required				- 8	W.
ESTIMATED COST *** THE FOLLOW	VING IS PROPRIETAL	RY INFORMAT	ION PROTEC	TED UNDER P. L.	100-679 ***
DIRECT LABOR HOURS	CHANGE	CHANGE	CHANGE	CHANGE	CHANGE
ORECT LABOR & BURDEN \$	3	3		\$	1
MATERIAL \$	5	\$		\$	\$
TRAVEL & PER DIEM 5	5	5	The state of the s	1	
TRAVEL & PER CHEM 5	5	5		5	5
TOTAL 5	3	5	Sec. 1 = 30 - 31 - 444	1	5
ESM MONITORS Raythear IDS;		CMDS P.O	I.:		
CONCURRENCE SIGNATURES:	DATE		- 6		DATE
ORIGINAL A SEC					
REVISION	9-1	,			-/-/
-A	8/29,	2013			8/29/13
REVISION B	51¢				1-11
REVISION					
REVISION					
REVISION E					
EXPLANATION OF REVISION:  Rev. A. — Initial Version  Rev. IB. — Extend POP to Nov 29, 2013 per JP	O request to suppor				X

FORM 5H-31-00-84 ENGINEERING SERVICES MEMORANDUM EN13-03A 5. Conduct a system functional review and a design review to document the recommended changes in functional configuration. Provide recommended requirements changes to the form of draft NOR/RFDs that would facilitate a implementation. PDR level of design material is not part of th 6. mulations and/or emulators to represent the redesigned with modifi in the government's System Integration Labs (SILs). Support n the determination of JLENS ternative impacts to JLENS Areas for consideration to reduce costs: Evaluate impacts to the propose urrent required functionality by eliminating the proposed d the media converters in the Data Processing Station of the OFG hardware. Evaluate impacts of hosting remaining/resultant functionality on existing baseline hardware/software by eliminating the proposed the media converters in the Data Processing Station of the CPG hardware. Evaluate and address constraints to existing baseline design memory/throughput margins and TPMs by eliminating the proposed and the media converters in the Data Processing Station of the CPG hardware. Provide other potential configuration changes to accommodate the required hardware and reuse JLENS software. Evaluate and/or leveraging existing DDS/CEC capabilities. Rev B er JPO direction Extend POP to Nov 29, 2013 to orts with the delivere MILESTONE PLAN (MEASURABLE TASKS ONLY) END DATE MUESTONE START DATE MILESTONE END DATE START DATE

	2. Amendment/Modification No. 3. Effective Date			5. Project No. (If applicable)	
	and a	4. Requisition/Purchase Re	4 110.	J. Frojectin	a. (in applicance)
5. Issued By	- # 7 ZUIS	7. Administered By (If other	ather than ()		Code sage
ARMY CONTRACTING COMMAND-REDSTONE REDSTONE ARSENAL AL 35898-5280	Code W31P4Q	DCMA RAYTHEON TEWN 50 APPLE HILL DRIV M/S T2FR2 TEWKSBURY MA 018	KSBURY /E		Cade S2205
Transe And Address Of Contractor (No., Stre	2 . 5 1	71-6-13	9A. Amendme	. 0.50 11 -11 -11	N.
RAYTHEON COMPANY 150 LOWELL ST	eet, City, County, State and	Zip Code)	9B. Dated (See		on 140.
ANDOVER, MA 01810-4400			SB. Dated (See	nem 11)	
		x	19A. Modifica	tion Of Contra	ct/Order No.
			10B. Dated (Se		
ode 05716 Facility Code			2003MAR17		
11.	THIS ITEM ONLY APPLI	IES TO AMENDMENTS OF	SOLICITATION	S	
may be made by telegram or letter, provided hour and date specified.  2. Accounting And Appropriation Data (If rec ACRN: AH NET DECREASE: -5750,000.00	quired) 0	o- 4-22			
13. THI		TO MODIFICATIONS OF C act/Order No. As Described		DERS	
A. This Change Order is Issued Pursual			20,000		
The Contract/Order No. In Item 10			The C	hanges Set For	th in Item 14 Are Made in
B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The	A. ler. Is Modified To Reflect T				
B. The Above Numbered Contract/Ord	A. er. Is Modified To Reflect T Authority of FAR 43.103(b)	).			
B. The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The	A. ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut	).			
B. The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The C. This Supplemental Agreement Is Ent D. Other (Specify type of modification a IMPORTANT: Contractor is not,	A. ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut and authority)  Is required to sign	). hority Of: this document and return	such as changes in	paying affice,	appropriation data, etc.) Se
B. The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The C. This Supplemental Agreement Is Ent D. Other (Specify type of modification a	A. ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut and authority)  Is required to sign	). hority Of: this document and return	such as changes in	paying affice,	appropriation data, etc.) Se
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B. The Above Numbered Contract/Ord-Forth In Item 14, Pursuant To The.  C. This Supplemental Agreement Is Ent.  D. Other (Specify type of modification a IMPORTANT: Contractor is not, Description Of Amendment/Modification (	A. ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut and authority)  Is required to sign	). hority Of: this document and return	such as changes in	paying affice,	appropriation data, etc.) Se
B. The Above Numbered Contract/Ord-Forth In Item 14, Pursuant To The C. This Supplemental Agreement Is Ent D. Other (Specify type of modification a IMPORTANT: Contractor is not, Description Of Amendment/Modification (6) SEE SECOND PAGE FOR DESCRIPTION (copt as provided herein, all terms and condition)	ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut and authority)  is required to sign Organized by UCF section b	). hority Of: this document and return headings, including solicitatio	euch as changes in ca n/contract subject	paying office,	appropriation data, etc.) Se alog Office. feasible.)
B. The Above Numbered Contract/Ord-Forth In Item 14, Pursuant To The C. This Supplemental Agreement Is Ent.  D. Other (Specify type of modification at IMPORTANT: Contractor is not, b. Description Of Amendment/Modification (Contractor Description)  SEE SECOND PAGE FOR DESCRIPTION  Compared to the Contractor Description of the Contracto	ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut and authority)  is required to sign Organized by UCF section b	). hority Of: this document and return headings, including solicitatio	eretofore changed	ples to the Issu matter where	appropriation data, etc.) Se  ulag Office.  feasible.)
B. The Above Numbered Contract/Ord-Forth In Item 14, Pursuant To The C. This Supplemental Agreement Is Ent.  D. Other (Specify type of modification at IMPORTANT: Contractor is not, b. Description Of Amendment/Modification (Contractor Description)  SEE SECOND PAGE FOR DESCRIPTION  Compared to the Contractor Description of the Contracto	ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut and authority)  is required to sign Organized by UCF section b	this document and returnneadings, including solicitation enced in item 9A or 10A, as h	eretofore changed	ples to the Issu matter where	appropriation data, etc.) Se  ulag Office.  feasible.)
B. The Above Numbered Contract/Ord Forth In Item 14, Pursuant To The  C. This Supplemental Agreement Is Ent  D. Other (Specify type of modification a  IMPORTANT: Contractor is not,  B. Description Of Amendment/Modification (6)	ler. Is Modified To Reflect T Authority of FAR 43.103(b) tered Into Pursuant To Aut and authority)  is required to sign Organized by UCF section b	this document and returnneadings, including solicitation enced in item 9A or 10A, as h	eretofore changed	ples to the Issu matter where	appropriation data, etc.) So along Office. feasible.)

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00054

Page 2 of 5

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Nam

Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 46 EN13-03 REV "B".

A-3 BY EXECUTION OF THIS MODIFICATION THE MATERIAL UNDER SLIN 0005AF IS DECREASED IN THE AMOUNT OF

ND IS AS FOLLOWS.

SLIN 0005AF (MATERIAL) FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL

A-5 BY EXECUTION OF THIS MODIFICATION SLIN 0005AE (LABOR) IS EXTENDED FROM 30 AUGUST 2013 TO 29 NOVEMBER 2013.

A-6 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT IS DECREASED IN THE AMOUNT OF \$750,000 FROM \$15,232,770.00 TO \$14,482,770.00.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0055 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00054

Page 3 of 5

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0005	#11904 JLENS A-KIT D				
	122701 02200 0 721 0				
0005AE	FY13 OPTION EN13-03 LABOR		LO		\$
		_			
	GENERIC NAME DESCRIPTION: #11904 JLENS CLIN CONTRACT TYPE:		14-1		
	Cost Plus Fixed Fee				1
	PRON: 4M2J722100 PRON AMD: 01 ACRN: AH				
	Inspection and Acceptance				
	INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance DLVR SCH PERF COMPL				
	REL CD   QUANTITY   DATE				
	s				
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005AF	FY13 OPTION EN13-03 MATERIAL/ODC		LO		\$
	GENERIC NAME DESCRIPTION: #11904 JLENS CLIN CONTRACT TYPE:				
	Cost Plus Fixed Fee				
	PRON: 4M2J722100 PRON AMD: 01 ACRN: AH				
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	AT .				
		1			

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00054

Page 4 of 5

Name of Offerer or Contractor: RAYTHSON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/

GFEBS ATA 4M2J722100

OBLG

2

JO NO/ STAT

ACCT ASSIGN A.0000013.1.2

ACRN AH

PHN/SHN W31P4Q-10-C-0003

PRIOR AMOUNT

INCREASE/ DECREASE

-750,000.00

CUMULATIVE

NET CHANGE

INCREASE/

ACRN AH

ITEM

0005AF

ACCOUNTING CLASSIFICATION

021 201220132040 ASXFJ 172419E55FPDG 251C L032089789 A.0000013.1.2

DECREASE -750,000.00

NET CHANGE \$

-750,000.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE AMOUNT

CUMULATIVE

OBLIG AMT

-750,000.00

14,482,770.00

NET CHANGE FOR AWARD: 15,232,770.00

LINE

ITEM

ACRN EDI/SPIS ACCOUNTING CLASSIFICATION

0005AF 021 201220132040

A5XFJ 172419E55FPDG 251C L032089789 A.0000013.1.2 021001

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00054

Page 5 of 5

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0046

Title

ENGINEERING SERVICES MEMORANDUM EN13-03 REV 'B"

Date

Number of Pages

Transmitted By

002 EMAIL

30-AUG-2013

U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA					ND	EN13-03	В	
OJECT TITL						CONTRACT NO.	8/30/2013	
LENS	OMPLETION DATE OF					W31P4Q-	10-C-0003	
1/29/20		ЕБМ				COST ACCOUNT		
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he snor	cified In Sub-ESMs	as required						
	OCUMENTATION, HAR	DWARE, BENEFITS AN	D DELIVERY DAT	·				
ULTING D	DOGUMENTATION, HARD	as required	WING IS PR		RY INFORM	ATION PROTEC	TED UNDER P. L.	
DE SPEC	coer •	as required		OPRIETA	RY INFORM.	ATION PROTECT CHANGE	TED UNDER P. L.	100-679 * * * CHANGE
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SEP 1 7 2013

## **ENGINEERING SERVICES MEMORANDUM**

					EN13-03B	
DESCRI	PTION OF PROPOSED WORK (CONT)					
	configuration. Provide recommended form of draft implementation. PDR level of Create and provide simulation.  Support the	mended req NOR/RFDs f design ma	uirements of that would terial is not nulators to in	changes to facilitate a part of the		ive ive impacts
Areas	for consideration to reduce cos	ts:				
•	Evaluate impacts to the propo			and current required functional	ity by eliminating the nd the media con	
٠	the Data Processing Station of Evaluate impacts of hosting re eliminating the proposed			ctionality on existing baseline ha	ardware/software by	
	and the Evaluate and address constra elimination the proposed CDF	media conv	ting baselin	ne Data Processing Station of the design memory/throughput make Data Processing Station of the commodate the	nargins and TPMs b	
CEC st August	Evaluate and/or leveraging ex Chnical direction received to in- tudy effort delayed start of SW 28 <sup>th</sup> to reduce funding from un ent CPG Lite to HSV, some clos	vestigate us simulation v	which was a Reducing r	naterial funding per JPO directi	and provide co udget. Direction red on: remaining funding the end of November	eived ng to
	MILESTONE	START DATE	END DATE	ASURABLE TASKS ONLY) MILESTONE	START DATE	END DATE

AMENDMENT OF SOLICITAT	ION/MODIFICATI	ON OF CONTRACT	l. Contract		Page 1 Of 6
2. Amendment/Modification No.	3. Effective Date 2 3 2013	4. Requisition/Purchase Req			(o. (1fapplicable)
i. Issued By	Code W31P40	7. Administered By (If other	than Item 6)		Code S220
APMY COMMISSIONE COMMAND-REDSTONE	Harray	DOMA RAYTHEON TEWES	Willer II		0220
REDSTONE ARSENAL AL 35898-5280	_	50 APPLE HILL DRIVE M/S T2FR2 TEMKSBURY MA 01876	2		
. Name And Address Of Contractor (No., Stre	et, City, County, State and	Zip Code)	9A. Amendme	nt Of Solicitat	ion No.
RAYTHEON COMPANY					
350 LOWELL ST			98. Dated (Se	e Item (1)	
ANDOVER, MA 01810-4400			o o nate (or	*(**********)	
		x	10A. Modifica	tion Of Contr	act/Order No.
			W31P4Q-10-C	-	
24			10B. Dated (S	ee Item 13)	
Code 05716 Facility Code			2003MAR17		
11.	THIS ITEM ONLY APPLI	IES TO AMENDMENTS OF S	OLICITATION	VS	
The above numbered solicitation is amend	ed as set forth in item 14	The hour and date specified for	receipt of Offe	rs	1
is extended. is not extended.		and appeared to		27/	
SPECIFIED MAY RESULT IN REJECTIO may be made by telegram or letter, provided hour and date specified.  2. Accounting And Appropriation Data (If req ACRN: AF NET INCREASE: \$.00	l each telegram or letter ma	kes reference to the solicitatio	n and this amen	dment, and is	eccived prior to the openin
13. THE		TO MODIFICATIONS OF CO act/Order No. As Described In		DERS	
A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10			The C	hanges Set Fo	rth In Item 14 Are Made In
B. The Above Numbered Contract/Orde Forth in Item 14, Pursuant To The	er Is Modified To Reflect T		ich as changes ir	n paying office	, appropriation data, etc.) S
C. This Supplemental Agreement Is Ent	tered Into Pursuant To Aut	hority Of:			
D. Other (Specify type of modification a	and authority)				
. IMPORTANT: Contractor is not,				opies to the Iss	
4. Description Of Amendment/Modification (	Organized by UCF section I	headings, including solicitation	contract subjec	t matter where	e feasible.)
EPP CYCOUN DAGE					
SEE SECOND PAGE FOR DESCRIPTION					
		3.4			
scept as provided herein, all terms and condi-	tions of the document refer	enced in item 9A or 10A, as be	retofore change	d. remains unc	hanged and in full force an
fect.					
5/10/10		16A Nume And Title	Of Contracting	Officer (Type	or print)
58.	15C. Date Signed	-1-			. Date Signed
					/ /
	19/23/13				102/1
(Signature of person authorized to sign)	17 - 7 -				10/2
SN 754 0-01-152-8070 REVIO US EDITIONS UNUSABLE		34			(REV.10-83)

Kind of Contract: Service Contracts

Surveillance Criticality Designator: A

Type of Business: Large Business Performing in U.S.

CONTINUATION SHEET

Reference No. of Document Being Continued
Page 2 of 6

PHN/SHN W31F4Q-10-C-0003 MOD/AMD F00055

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name
Buyer Office Symbol/Telephone Number:
Type of Contract: Cost Plus Fixed Fee

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 44 EN12-06 REV "D".

A-3 BY EXECUTION OF THIS MODIFICATION

IS REALIGNED FROM SLIN 0004AM (MATERIAL) TO SLIN 0004AL (LABOR). SLIN 0004AL LABOR

BY

AND THE LABOR HOURS IN THE AMOUNT OF AND THE LABOR HOURS IN THE AMOUNT OF AND THE INCREASES ARE AS FOLLOWS.

SLIN 0004AM (LABOR)

BY

TO

DIRECT LABOR HOURS:

DIR LABOR & BURDEN

MATERIAL

BY

TO

DIRECT LABOR HOURS:

DIR LABOR & BURDEN

MATERIAL

A-5 BY EXECUTION OF THIS MODIFICATION SLINS 0004AL (LABOR) AND 0004AM (MATERIAL) IS EXTENDED FROM 27 SEPTEMBER 2013 TO 22 DECEMBER 2013.

A-6 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT OBLIGATED AMOUNT REMAINS THE SAEM.
A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0056 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD PO0055

Page 3 of 6

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
					,
0004	FY12 OPTION PERIOD JLENS ENG SRVS				
	FILE OFFICE PARTOD UMBIS AND SAVS				
	-				
	FY13 Labor Material Total				
	PCL COST				
	GEA TCL COST (W/O COM)		1 1		
	COST OF MONEY		1 1		
	CPFF	1			
		1			
	Hours Hours		1 1		
	Description Hours Exercised Remaining PM/CM				
	ENGINEERING PRODUCT ASSUR/TES				
	LOGISTICS				
	TOTAL				
	Material Material				
	Description Material Exercised Remaining ESTIMATED COST				
	COST OF MONEY FIXED FEE				
	CPFP				
	COMPOSITE HOURLY RATE IS FOR				
	(End of narrative B009)	1			
			1		
004AL		_			
OUNAL	PY12 OPTION ESM EN12-06		LO		\$
	GENERIC NAME DESCRIPTION: #12738 SITE SELECTIO	1			
	CLIN CONTRACT TYPE:				
	Cost Plus Fixed Fee PRON: 4M2J721900 PRON AMD: 05 ACRN: AF				
	Inspection and Acceptance				
	INSPECTION: Origin ACCEPTANCE: Origin				
	Deliveries or Performance				
	DLVR SCH PERF COMPL				
	REL CD QUANTITY DATE 001 22-DEC-2013				
	\$				
	5	1	1 1		

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD PO0055

Page 4 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0004AM FY12 OPTION ESM EN12-06 LO GENERIC NAME DESCRIPTION: #12738 SITE SELECTIO CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M2J721900 PRON AMD: 05 Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance PERF COMPL DLVR SCH REL CD DATE 22-D8C-2013 001

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION

A5XFJ 172419E55FPDG

021 201220132040

021 201220132040

LINE

0004AL

0004AM

AF

AF

Reference No. of Document Being Continued CONTINUATION SHEET PHN/SHN W31P4Q-10-C-0003 MOD/AMD P00055 Name of Offeror or Contractor: RAYTHEON COMPANY SECTION G - CONTRACT ADMINISTRATION DATA PRON/ AMS CD/ LINE MIPR/ OBLG INCREASE/ CUMULATIVE JO NO/ ITEM GFEBS ATA STAT ACCT ASSIGN PRIOR AMOUNT DECREASE AMOUNT ACRN 0004AL 4M2J721900 2 A.0000013.1.2 AF 0004AM 4M2J721900 A.0000013.1.2 AF NET CHANGE INCREASE/ ACRN ACCOUNTING CLASSIFICATION DECREASE 021 201220132040 A5XFJ 172419E55FPDG 251C L032010465 A.0000013.1.2 021001 \$ 0.00 NET CHANGE \$ 0.00 PRIOR AMOUNT INCREASE/DECREASE CUMULATIVE OF AWARD AMOUNT OBLIG AMT NET CHANGE FOR AWARD: 14,482,770.00 0.00 14,482,770.00

A5XFJ 172419E55FPDG 251C L032010465 A.0000013.1.2

251C L032010465 A.0000013.1.2

021001

021001

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD PO0055

Page 6 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0044

ENGINEERING SERVICES MEMORANDOM EN12-06 REV "D"

PIIN/SIIN W31P4Q-10-C-0003

Number

Transmitted By of Pages

005 EMAIL

30-A0G-2013

	ENGINEER	ING SER	VICES M	EMORAND	
	U.S. ARMY AVIATION	AND MISSIL	F COMMAND		N12-06D
	REDSTONE A			DATE	WE 337
		•		8/30/	2013
PROJECT TITLE		10/11 10/11		CONTRACT NO.	
	ction and Exercise Planning			W31P4Q-10-C-000	3
	- 12/22/2013 OF PROPOSED WORK				
representation the CO government the content of the content of the content of the conditions, with the intent of the conditions, with the intent of the content of the cont	to to seven contractor personnel atives when conducting CONUS NUS JLENS deployment based on the developing the site screening process multiple sign available from Public, DoD and is to enable a small team to vising external environmental factors tent of ruling several sites out to hat the screening would require	site screenings. I upon defined criticing plan and selected by dother Governmentally observe and such as electronic arrive at a manager of the street of the	These screening eria. As part of the tion criteria.  ased on operation the few FAA, FCC collect data on the tiagnetic spectrum geable quantity for the few few few few few few few few few fe	ps will assess the suit this effort Raytheon value conal considerations a C) resources. The pi he location, accessib m, airspace restriction or a future more deta	ability of up to three site vill support the and guidelines using urpose of the site ility, general soil ns, etc.) and other items
	PERNMENT FURNISHED EQUIPMENT	DATE REQUIRED	RETURN DATE	CONDI	TION OF RETURN
To be specif	fied in Sub-ESMs as required				
	OCUMENTATION, HARDWARE, SENERITS AND D lied in Sub-ESMs as required	DELIVERY DATE			
ESTIMATED CO	*** THE FOLLOW	ING IS PROPRIETA	RY INFORMATIO	N PROTECTED UND	
	ORIGINAL	"A" CHANGE	CHANGE "B"	CHANGE CI	CHANGE
DIRECT LABOR					
MATERIAL	R & SURDEN S				3
COMPTR/SUBC					s
TRAVEL & PER	S S				Š
TOTAL	\$				5
ESM MONITOR	Reythean IOS:		CMDS P.O.:		
CONCURRENC	E SIGNATURES: RAYTHEON IDS	DATE	E	CMDS PROJECT OFFICE	DATE
ORIGINAL ISSUE	Initial Issue	9/17/2	012	2000 - XVIII -	
REVISION	Transfer Labor to Material Doll	ars 3/15/2	013	100000000000000000000000000000000000000	
REVISION	Scope Addition	5/29/	13	***	
	CTE Scope Addition	6/17/	13		
of H					
REVISION OF		8/30	3		9/13/13
REVISION		8/30	12		9/13/13

## ENGINEERING SERVICES MEMORANDUM

FORM 5H-31-00-04

				EN12-06D	9
DESCRIPTION OF PROPOSED WORK (CONT) Site Selection Cont'd			•		
Personnel required for the site  • Radar System enginee	r to assess line of neer to assess net ansportation, accurate the site for luate commercial neer	site and potentic work infrastructuressibility and local flight suitability			dover, etc
Raytheon will participate with output will be a site screening contract award. Planning will in	briefing and rep	ort. The expect	ed period of performance	will extend six m	onths from
Labor  3 site visits for 6 people: Prep/ 3 Huntsville visits for 6 people: Site Screening Briefing & Final Team lead - Continuity and JP0	visit/follow-up at Prep/visit/follow-u Report: Data con	risit pe	er person = erson = /report/briefing =	•	
Material TCOM 3 site visits for 1 Person at 3 Huntsville visits for 1 Person 6 Trips —3 site visits; 3 Huntsville 1DS Travel 6 People for 3 Site Visits; 6 Pe	at lle visit				
HILESTONIE PLAN (MEASURABLE TASKS ONLY					
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

VI

				EN12-00D	
DESCRIPTION OF PROPOSED WORK (CON'T)  Exercise Planning		Description of the second			
Provide up to 4 full time equivalent of the FTEs will be the Raytheon depending on the planning stage a network integration, transportation, planning, public impact assessment of activities will vary in topic and de of fiscal 2013. Planning will also income	exercise lea and topic. P site Integrations, hardware stail as exerci-	d and the lanning will on & activate subsystem ise planning	primary JPO counterpart. To include such items as: site do ion, electromagnetic spectrum selection (Orbit 1 or Orbit 2), et g matures. The period of perfo	he other three FTE levelopment, comm analysis, risk asses lc. It is anticipated	is will vary s planning, ssment and that the list
POP = Sept 2012 - Sept 2013.					
Labor 3 FTE x	_				
IDS Travel 3 people for 6 trips to Huntsville					
SAS Travel 1 person for 6 trips to Huntsville					
SAS Labor					
MILESTONE PLAN (MEASURABLE TASKSONLY) MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE

FORM 5H-31-00-04

ENGI	NEERING	SERVI	CES MEMORAN	-	
				EN12-06D	
DESCRIPTION OF TROPOSED WORK (CONT)					
Support an Integrated Fire Con	trol (IFC)	A STATE OF THE PARTY OF THE PAR			
anticipated to happen during Ju				_	
IFC event including coordination	on with JPO and Ra	aytheon Missile	Systems (RMS)		
1. Participate in kick-off r					
Test Readiness Review Government.	in June via VTC, 1	felecon, or in pe	rson as required by the		
Section and an arrangement of the section of the se	o the Mission Con	cant of Operation	ns (CONOPs) and support JPC		
			ssage traffic from JLENS to		
the Government Furnish					
<ol><li>Perform pre-mission and</li></ol>					
			NS System Integration Lab		
<ol> <li>(SIL) and provide support</li> <li>Perform analysis of JLE</li> </ol>			ion simulations		
. Teriorin mary as or see	a crior periorina	nee in pre-mass	on simulations		
5. Provide	with pre-	mission results i	n support of missile fly out		
analysis.					
<ol> <li>Support Government ge</li> <li>Support Government IA</li> </ol>					
live event.	1 quick look repor	ns development	for the walk up missions and		
8. Provide SME support de	uring two walk up	events and the li	ive fire event at UTTR.		
BOE:					
IDS Labor					
•	; I&T				
• Intras	tructure (finance/o	quality)			
•	4 Trips - 3 Pec				
• 1	1 Trip – 3 People	- 2 days (Gov	't TRR)		
		W.			
ILESTONE PLAN (MEASURABLE TASKS ONLY MILESTONE	START DATE	END DATE II	MILESTONE	START DATE	END DATE
MILESTONE	SIANI DATE	ENDONIE	MICESTONE	START DATE	BADDATE
		1 11			

MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE
		1 1			
		1 1			
		I II			
				1 1	
				1	
		11			
		I II			
		1 11			
				1	
				1	

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

			ESM NO.		
DESCRIPTION OF PROPOSED WORK (CON'T)		_		EN12-06D	
CTE Participation (Mod C)					
Prepare the Casper Site for the	aerostat to be el	evated to n			
			Jon 28 May 2013.		
		12.22	100		
will be an integrati	on and checkout	connectivit	y with the		
pon completion of these activi	ties, return the sy	stem to its	"flyable storage" configuration. Provid	de a mission	report of
ally activities with an executive	summary to incl	ude lesson	s learned, observations, and quick-loo	k / mini-test	report.
			,		
					_
laterial to Labor Conversion	and POP Exten	sion (Mod	D)		
ssumes ESM Program Suppo	rt efforts are sens	arately fund	ed (nost Sentember 2013)		
- Lam Flogram Cuppe	it anotto are cope	aracory rama	ou (poor coptombol 2010)		
9					
ESTONE PLAN (MEASURABLE TASKS ONLY)					
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE
	1				
				4	
				4	

CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00055
ATTACHMENT 0044
SOF 5 SIP 2 3 2013

AMENDMENT OF SOLICITATI	ON/MODIFICATION	ON OF CONTRACT	1. Contract 1D Code Cost Plus Fixed Fee	Page 1 Of 6
. Amendment/Niodification No.	3. Effective Date 2 6 2013	4. Requisition/Purchase Req		No. (If applicable)
REDSTONE ARSENAL AL 35898-5280	Code W31P4Q	7. Administered By (If other of DCMA RAYTHEON TEWKSE SO APPLE HILL DRIVE M/S TEPRE TEMKSBURY MA 01876	BURY	Code S2205
Name And Address Of Contractor (No., Street RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01810-4400	et, City, County, State and 7	Zip Code)	9A. Amendment Of Solicita 9B. Dated (See Item 11) 10A. Modification Of Cont	
ode 05716 Facility Code			W31P4G-10-C-0003 10B. Dated (See Item 13)	
1111119 0000	FILE ITEM ON A	ES TO AMENDMENTS OF SO	2003MAR17	
may be made by telegram or letter, provided hour and date specified.  2. Accounting And Appropriation Data (If req ACRN: AL NET INCREASE: \$693,310.00	ulred)	TO MODIFICATIONS OF CO		e de la constante de la consta
A. This Change Order is Issued Pursual The Contract/Order No. in Item 10.	nt To:	act/Order No. As Described In	The second second	orth In Item 14 Are Made In
B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The	er is Modified To Reflect T		ch as changes in paying offic	e, appropriation data, etc.) Se
C. This Supplemental Agreement is Ent	ered Into Pursuant To Auti	hority Of:		
D. Other (Specify type of modification a	ad authority)		PHONE SECTION AND ADDRESS OF THE PARTY OF TH	
. IMPORTANT: Contractor is not, 4. Description Of Amendment/Modification (		this document and return leadings, including solicitation/	coples to the I	
SEE SECOND PAGE FOR DESCRIPTION		×		
Except as provided herein, all terms and condi- ffect.	tions of the document refer	enced in item 9A or 10A, as her	etofore changed, remains us	nchanged and in full force and
(Signature of person authorized to sign)	9/25//3			Date Signed
NSN 75-40-01-152-8070 PREVIOUS EDITIONS UNUSABLE		30		REV. 10-83) (48 CFR) 53.24

Reference No. of Document Being Continued

MOD/AMD P00056

Page 2 of 6

Name of Offeror or Contractor: RAYTHBON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE POLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 53 EN14-01.

A-3 BY EXECUTION OF THIS MODIFICATION SLIN 0006AA LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF THE INCREASES ARE AS FOLLOWS.

SLIN 0006AA (LABOR) FROM BY TO
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

SLIN 0006AB (MATERIAL) FROM BY TO
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS INCREASED IN THE AMOUNT OF \$693,310 FROM \$14,482,770 TO \$15,176,080.00.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0057 \*\*\*

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00056

Page 3 of 6

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS			:4	ė
0006	FY14 OPTION PERIOD JLENS ENG SRVS				
	FY14 Labor Material Total PCL COST G&A TCL COST (W/O COM) COST OF MONEY FEE CPFF				
	Description Hours Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL				
	Description Material Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FEE CPFF	9			ē.
	(End of narrative B002)				30 ×
006AA	FY14 ESM EN14-01 AEROSTAT TRANSPONDERS AND INTEGRATION	E DE	Lo	=	\$
	GENERIC NAME DESCRIPTION: 14895 JLENS RAYTHEON CLIN CONTRACT TYPE:     Cost Plus Fixed Fee PRON: 4M3J714400 PRON AMD: 01 ACRN: AL Estimated Cost COM Fixed Fee				
	Total  ESM Description FY14 Hours EN14-01 Labor	15		3	

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00056

Page 4 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 31-MAR-2014 001 0006AB FY14 BSM EN-14-01 AEROSTAT TRANSPONDERS AND LO INTEGRATION GENERIC NAME DESCRIPTION: 14895 JLENS RAYTHEON CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J714400 PRON AMD: 01 SLIN 0006AB PROM BY DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL Estimated Cost COM Fixed Fee Total (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 31-MAR-2014

Reference No. of Document Being Continued

MOD/AMD P00056

INCREASE/

DECREASE

Page 5 of 6

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/ ITEM GFEBS ATA 0006AA 4M3J714400

0006AB 4M3J714400

OBLG JO NO/

STAT

ACCT ASSIGN A.0009263.1.2

A.0009263.1.2

ACRN AL

AL

PIIN/SIIN W31P4Q-10-C-0003

PRIOR AMOUNT

NET CHANGE 693,310.00 CUMULATIVE AMOUNT

ACRN

ACCOUNTING CLASSIFICATION

021 201320142040

A5XFJ 172419E55FPDG

2550 L034779952 A.0009263.1.2

INCREASE/ DECREASE 021001 \$ 693,310.00

NET CHANGE \$

693,310.00

PRIOR AMOUNT

OF AWARD

14,482,770.00

INCREASE/DECREASE

AMOUNT

CUMULATIVE

OBLIG AMT

NET CHANGE FOR AWARD:

693,310.00

15,176,080.00

LINE

ITEM 0006AA

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION AL

A5XFJ 172419E55FPDG 021 201320142040

0006AB 021 201320142040 A5XFJ 172419E55FPDG

2550 L034779952 A.0009263.1.2 2550 L034779952 A.0009263.1.2 021001 021001

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD POOCS6

Page 6 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Addenda

Number

Date 09-AUG-2013

Transmitted By 002

EMAIL

Attachment 0053 ENGINEERING SERVICES MEMORANDUM EN14-01

RAYTHEON COMPANY

<b>ENGINEERING</b>	SERVICES	MEMOR	ANDUM
PIACINATELINIAC	SERVICES	MEMON	MINULIN

FORM 5H-31-00-04

U.S	S. ARMY AVIA	TION AND M			ND	EN14-01 DATE	
						8/9/2013	
Replacement of A Breakaway Track		ders and Integra	ation of A	erostat	W31P4Q-	10-C-0003	
ESTIMATED COMPLETION	DATE OF ESM				COST ACCOUN	ī	
03/31/2014 DESCRIPTION OF PROPOS	EO WORK	*********					
Engineerin SDD contr Deflation E Support th retrofit of Provide co Support m Provide co Additional	sign and fabricating activities included act and the system of the coordination, described by the coordination of a DD anagement review of the coordination management activities and the coordination of the	the replacement integration of initialized. Elivery, and integration will refer 1494 (Apply of the aerostogement of the upper can be found.	ent of the an addition gration of not occur p plication fo at breakan pdates to in Non-CI	hardware prior to rec or Equipm way tracking the JLENS	to include all exceiving approva ent Frequency ing hardware eff technical data	delive when the Autori disting platforms i I of frequency au Allocation). fort.	ncluding the thorization.
GOVERNMENT F	URNISHED EQUIPMENT	DATE RE	GUMED	RETURN D	ATE	CONDITION OF R	ETURN
To be specified in Sub	(144-147) 144-1484 H						
RESULTING DOCUMENTAT	ION, HARDWARE, BENEFI	TS AND DELIVERY DATE	£				
To be specified in Sub	-ESMs as required						
ESTIMATED COST	AAA TUE EO	L CIMINO IS DO	ODDIETAD	V INCODI	ATION PROTEC	TED UNIDED B. I	100 070 111
	ORIGINAL ISSUE	CHANGE		"B" CHANGE	"C" CHANGE	CHANGE	CHANGE
DIRECT LABOR HOURS DIRECT LABOR & BURDER	4 5	\$	5		\$	5	5
MATERIAL	\$	\$	5		\$	\$	5
COMPTR/SUBCONTR LBA TRAVEL & PER DIEM	\$	\$	5		\$	5	\$
OTHER	9	1	5		6	\$	6
TOTAL	5	\$	5		\$	\$	\$
	Raytheon IDS:			CMDS	i P.O.:		
CONCURRENC			DATE	N.			I DATE
OREGINAL IS-SUE			13 Sep 2	0/3			9/17/13
HEYISION							
REVISION REVISION							
a∈V1SiON							
REVISION							
EXPLANATION OF REVISIO							
ARAININ OF HEVISIC		· ·			II FNS		Sheet 1

CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00056
ATTACHMENT 0053
1 OF 2 2 6 203

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-21-00-04

					EN14-01	
DESCRIPTION OF	PROPOSED WORK (CON'T)				CHITOI	
otal Effort						
	heon					
-		bject Matter Exp	ert (SME Suppo	nt) to include technical	oversight 6 TCOM an	rd
	participate in Tec	hnical Interchan	ge meetings, su	pport First Article Test,		
	Procedures to inc			onder capability		
	for Su	bcontractor Man	agement			
riayi		Baltimore (for 2	neonlel/ 2 Tech	nical Interchange Meet	ings 1 meeting for Fig	st Article
		t 1 Trip to review		most interoriaring most	ingo, rincoming for the	or a raible
· TCC	M					
	<ul> <li>Complete design</li> </ul>			replacement of the ex		
	with a new			Replacement of the e		h - hood
	units.	Aldi	OWNERS OF SAN EAST	ergency Mode Beacon	Transpolider, Helolit	to includ
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RATTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01910-4400			9B. Duted (See	Item (I)	
		[8]	10A. Modifica	ion Of Contra	ct/Order No.
		LE	M31240 10-C	0003	
			10B. Dated (Sc		
Code 85716 Facility Code			2003MAR17	->	
	11. THIS ITEM ONLY APPLIE	ES TO AMENDMENTS OF S	OLICITATION	5	
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Reference No. of Document Being Continued

MOD/AMD P00057

Page 2 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:
Buyer Office Symbol/Telephone Number:
Type of Contract: Cost Plus Fixed Fee
Kind of Contract: Service Contracts
Type of Business: Large Business Performing in U.S.
Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 54 EN13-07.

A-3 BY EXECUTION OF THIS MODIFICATION SLIN 0006AC LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF MINOREASED BY SLIN 0006AD MATERIAL DOLLARS ARE CONVERTED FROM LABOR HOURS TO SLIN 0006AD MATERIAL DOLLARS ARE IN INCREASED IN THE AMOUNT OF THE INCREASES ARE AS FOLLOWS.

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A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS INCREASED IN THE AMOUNT OF \$13,276,175 FROM \$15,176,080 TO \$28,452,255.00

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE AGOSS \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00057

Page 3 of 6

EM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
06	FY14 OPTION PERIOD JLENS ENG SRVS				
	FY14 Labor Material Total PCL COST G&A TCL COST (W/O C COST OF MONEY FEE CPFF				
	Description Hours Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL				
*	Description Material Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FEE		4:		
	(End of narrative B003)				
AC	FY14 ESM EN13-07 EXERCISE TRAINING  GENERIC NAME DESCRIPTION: 13878 JLENS RAYTHEON CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J714500 PRON AMD: 01 ACRN: AM		LO		\$
	Estimated Cost COM Fixed Fee  Total  ESM Description FY14 Hours EN13-07 Labor				

Reference No. of Document Being Continued

Page 4 of 6

PHN/SHN W31P4Q-10-C-0003 MOD/AMD P00057 Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 30-SEP-2014 0006AD FY14 ESM EN13-07 EXERCISE TRAINING LO GENERIC NAME DESCRIPTION: 13878 JLENS RAYTHEON CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J714500 PRON AMD: 01 ACRN: AM SLIN 0006AD DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL Estimated Cost COM Fixed Fee Total (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 30-SEP-2014

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00057

Page 5 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/ GFEBS ATA ITEM 0006AC 4M3J714500

0006AD 4M3J714500

OBLG

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STAT ACCT ASSIGN A.0009263.1.2

A.0009263.1.2

JO NO/

ACRN MA

AM

PRIOR AMOUNT

INCREASE/ DECREASE

CUMULATIVE AMOUNT

NET CHANGE \$

13,276,175.00

ACRN

ACCOUNTING CLASSIFICATION

021 201320142040

A5XFJ 172419E55FPDG 2550 L034779954 A.0009263.1.2

INCREASE/ DECREASE

021001 \$ 13,276,175.00

NET CHANGE \$ 13,276,175.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

CUMULATIVE

NET CHANGE FOR AWARD:

15,176,080.00

AMOUNT 13,276,175.00 OBLIG AMT

28,452,255.00

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ITEM 0006AC

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CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00057

Page 6 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda

Title

Date

Number of Pages

Transmitted By

Attachment 0054

ENGINEERING SERVICE MEMORANDUM EXERCISE TRAINING

12-SEP-2013

003

EMAIL

RAYTHION COMPANY

PEVILADA

OF LABORTON OF REVISIONS

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	REDSTON	E ARSENAL	L, ALABAMA	<b>V</b>	DAVIE	
	P. W. Thomas and Company				Septembe	19 2019
PROJECT TITLE	-			CONTRACT NO		12,2013
Exercise Training			13	W31P4Q-		
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30 September 2014						
The contractor shall pre			CONTRACTOR OF THE STATE OF THE	are all the second seco	A DESCRIPTION OF THE PARTY OF T	N AND AND SHA
based training interactive Conduct Support Documing Market Support Documing Interactive coursewers and issued plans will be support for all training a Lab.  The contractor shall man Government Furnished Exercise. To support the Material Consolidation of allure analysis by executallures.	ment, and Cou MIL-PRF-296 will be used to approved by assets at Utah	rse Conduct In 12, Performan train the JLEN the JLENS Pro Test and Train	nformation Pack nce Specification NS system to So oduct Office prio ning Hange (UTT	age (Trainee and I Training Data Pro- idiers. Changes to r to implementation R), Elizabeth City.	Training Course Coducts, will be used the Programs of the Contractor, and the CMDS S	completion Data) d as a guide only i instruction (POI) r shall also includ system integratio
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To be specified in Sub-ESM				8		
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### ENGINEERING SERVICES MEMORANDUM

FORM 5H-31-00-04

EN13-07

DESCRIP	HON	OF.	PROPOSED	WORK	(CON'T)

The contractor shall provide support personnel to keep the JLENS system at Utah Test and Training Range (UTTR) site maintained for the conduct of training courses. The system shall be maintained with the Aerostat inflated and the tactical equipment kept up to date on Preventative Maintenance Checks and Services (PMCS) and configuration control. The contractor shall be responsible for the following activities:

- . Maintain site infrastructure, team integrity and perform PMCS on the tactical hardware at UTTR site
- Maintain site material inventory, shipping and receiving, configuration management and Test Equipment (TE) functional and calibration schedule current
- Maintain log books and configuration management for tactical equipment at UTTR site
- Maintain access lists and nventory for UTTR site
- · Maintain/monitor Environmental Health and Safety (EH&S) Compliance Calendar action items for UTTR site
- Maintain watch standers who will monitor
  the Mobile Mooring Station (MMS) and check the Power Control and Distribution System (PCDS) and perform
  other safety and security functions as part of the watch stander role
- Maintain minimum site personnel to perform platform maintenance and be able to help resolve emergency situations

Site support for October 2013 through December 2013 will be funded under SDD contract. ESM Site Support will cover January 2014 through June 2014.

PMCM will be funded under PHS&T ESM for October 2013 through December 2013. Alternative funding beginning January 1, 2014 will be required for ESM PMPI and Infrastructure.

### Cost and Hour Breakdown:

Provider	Task Title	Facilis	Cost (Mrs or \$K@Self)
R	Training	Course Prep  - Format Course Conduct of Training for Mission Operation/Mission Supportitions director, System Administrator, PGDS Maintenance and Operation, CPG Maintenance and Operation, Aerostat Common Core Course, Aerostat Nechanical Maintenance, Aerostat Electrical Maintenance and Flight director - Structured On the Job Training (SOJT) and Computer Based Training (CBT)	
	Treining	Course Prep  - Formal Course Conduct of Training for Flight director, Common Course, Platform Electrical and Platform Mechanical	
	Training Support	Training Material updates conversion	
	Site Support	Site support for Training Operations Site support for 10/1/13-12/31/13 funded under SDD Extension.	
	Site Support	Site support for Training Operations (includes travel) - six flight operators and maintenance personnel. Site support for 10/1/13-12/31/13 funded under SDD Extension.	
17	Site Support	Site support for Training Operations (+ travel) - FT Security, IT, Safety/Q.A, CPG SME, FCR SME. Site support for 10/1/13-12/31/13 funded under 500 Extension. (Previous number had LOG Lead and FRACAS)	and the state of the same of t
	ROE	Repair of Equipment (excludes SuR repairs)	
5	Lead & FRACAS	LOG Lead and FRACAS Support	

JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00057 ATTACHMS 10024 6 28 U 2 OF 3

8/14/2013	2013	hasing Schedule 2014			
Month	3013 4013	1074 2074	30714 40714		
Platform Maintenance Course	AM Course Prop	SOJT AM Course	3		
CPG Course	Course Confuct #1	Course Conduct #2 SOUT	efreehor Course Conduct FI		
SA Course	Ref Course Cond		SOUT		
PCDS Course	Ref Course Cond #1 Con	chaccades 5	se Cond #2		
MOM6/MD Course	Buf Course Prop	ct 81 Course Conduct PI (G-91) SOIT SOUT SOUT SOUT SOUT SOUT SOUT SOUT SOU	Course Conduct &)		
FD Course	Ref Course Prep.		Course Conduct#2		
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Amendment/Modification No. P00058  Issued By Code W31940  REDSTORS ARSENAL AL 15898-5280	7. Administered )  OCHA HAYTH  SO APPLE H  N/S T2FR2	CHEDULE By (If other EOH TEMKS)	than Item 6)		(If applicable)  Code   \$2205
Issued By Code W3194Q	7. Administered )  OCHA HAYTH  SO APPLE H  N/S T2FR2	By (If other EON TEMES			Code S2205
	SQ APPLE N N/S T2FR3		SURY		
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Name And Address Of Contractor (No., Street, City, County, State and Z	(in Cody)	101	94 Amendman	OfSolicitation	No
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AMDOVER, MA 01510-4400			9B. Dated (See	ttem (1)	-
		[X]	10A. Modificati	on Of Contract	Order No.
			WILP40 10-C-	1003	
The state of the s			10B. Dated (See		
ode 05716 Facility Code	100,		2003MAR17		
11. THIS ITEM ONLY APPLIE	S TO AMENDME	NTS OF SC	LICITATIONS		
ACKNOWLEDGMENTTO BE RECEIVED AT THE PLACE DESIGN.  SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by  may be made by telegram or letter, provided each telegram or letter make  hour and date specified.  Accounting And Appropriation Data (Ifrequired)  ACRN: AN MET INCREASE: \$6,590,680.00	virtue of this amer kes reference to the	idment you solicitation	desire to change and this amenda	an offer airead; nent, and is rece	y submitted, such change
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A. This Change Order is Issued Pursuant To: The Contract/Order No. In Hem 18A.			The Chi	inges Set Forth	In Item 14 Are Made In
B. The Above Numbered Contract/Order is Modified To Reflect The Forth in Item 14, Pursuant To The Authority of FAR 43,103(b).		hanges (sue	h us changes in p	oaying office, ap	propriation data, etc.) Set
C. This Supplemental Agreement Is Entered Into Pursuant To Autho	ority Of:				
D. Other (Specify type of modification and authority)				The same of the sa	
MIPORTANT: Contractor a is not, is required to sign th	als document and re	etura	cop	les to the Issuing	g Office.
Description Of Amendment/Modification (Organized by UCF section lies	adings, including s	olicitation/c	oniruet subject :	natter where fee	stible.)
SHEE SECOND PAGE FOR DESCRIPTION					
egat as provided herein, all terms and conditions of the document referen	seed in item 9A or 1	OA. as here	tofore changed,	remains unchan	ged and in full force and
		Aller Asia			
		DAMES THE L	Contracting 0	meet ( ) She ou!	/mm/
	16A. Same				
et.	16A. Name				Shrned
ISC, Date Signed	To A. Name				Signed
15C, Date Signed 24o SEP 1	3				Sep 8
ISC, Date Signed  240 SEP 1	30y				Sep 8
15C, Date Signed 24o SEP 1	3 30				Sept

### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00058

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Plxed Fee Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE FURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 55 EN13-11.

A-3 BY EXECUTION OF THIS MODIFICATION

INDER CLIN 0005 ARE CONVERTED TO

UNDER SLIN 0006AE LABOR HOURS IN

ACCORDANCE WITH THE RATE DIFFERENCE. SLIN 0006AE LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF

AND THE LABOR HOURS ARE

INCREASED BY

SLIN 0006AF MATERIAL DOLLARS ARE CONVERTED FROM

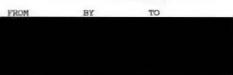
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THE INCREASES ARE AS FOLLOWS.

SLIN 0006AE (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



SLIN 0006AF (MATERIAL) FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS INCREASED IN THE AMOUNT OF \$6,590,680 FROM \$28,452,255 TO \$35,042,935.00.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0059 \*\*\*

Redactions per (b)(4)

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00058

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE **AMOUNT** SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 FY13 OPTION PERIOD JLENS ENG SRVS Labor Material PCL COST G&A TCL COST (W/O COM) COST OF MONEY FEE CPFF Hours Hours PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Description ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B008) 0006 FY14 OPTION PERIOD JLENS ENG SRVS Labor Material Total FY14 PCL COST G&A TCL COST (W/O C COST OF MONEY FEE CPFF Hours Description Exercised Remaining PM/CM ENGINEERING

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00058

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Exercised Remaining Description ESTIMATED COST COST OF MONEY FIXED FEE CPFF (End of narrative B004) 0006AE LO FY14 ESM EN13-11 EXERCISE SYSTEM MAINTENANCE GENERIC NAME DESCRIPTION: 13877 JLENS RAYTHEON CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J714600 PRON AMD: 01 ACRN: AN Estimated Cost Fixed Fee Total Description EN13-07 Labor COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2014

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00058

Page 5 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0006AF LO FY14 ESM EN13-11 EXERCISE SYSTEM MAINTENANCE GENERIC NAME DESCRIPTION: 13877 JLENS RAYTHEON CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J714600 PRON AMD: 01 SLIN GOOGAF DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL Estimated Cost COM Fixed Fee Total (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance PERF COMPL DLVR SCH REL CD QUANTITY DATE 001 30-SEP-2014

### CONTINUATION SHEET

#### Reference No. of Document Being Continued

MOD/AMD P00058

Page 6 of 7

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/ GFEBS ATA ITEM 0006AE 4M3J714600

0006AF 4M3J714600

OBLG STAT

2

JO NO/ ACCT ASSIGN A.0009263.1.2

A.0009263.1.2

ACRN

PRIOR AMOUNT

INCREASE/ DECREASE

CUMULATIVE THUUMA

NET CHANGE \$

6,590,680.00

ACRN AN

ACCOUNTING CLASSIFICATION

021 201320142040

A5XFJ 172419E5SFPDG

2550 L034780194 A.0009263.1.2

INCREASE/ DECREASE 021001 \$ 6,590,580.00

NET CHANGE \$ 6,590,680.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

AMOUNT

CUMULATIVE

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NET CHANGE FOR AWARD:

28,452,255.00

6,590,680.00

35,042,935.00

LINE ITEM

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### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00058

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Attachment 0055

Addenda ENGINEETING SERVICES MEMORANDUM EN13-11 Number

Date 12-SEP-2013 of Pages Transmitted By

EMAIL 002

FORM 5H-31-00-04

ENGINEERING SERVICES	MEMORANDUM
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	REDSTO	NE AF	RSENAL	L, ALABA	MA	+		DATE		
								Septembe	r 12 20	13
ROJECT TITLE	-			100		117000	NTHACT NO.			
Exercise System Mair Transportation		Packagi	ng, Handi	ling, Storag	e, and	wa	1P4Q-10	)-C-0003		
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"NTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00058
ATTACHMENT 0055
1 OF 2 P 2 6 2013

# **ENGINEERING SERVICES MEMORANDUM**

EN13-11 Redactions per (b)(4), (b)(3) DESCRIPTION OF PROPOSED WORK (CON'T)

	Company of the Compan	
 Denvida Denomana	Management (DAN)CAN aumont for October 2012	Danmanhay MAI

- Provide Program Management (PM\CM) support for October 2013 December 2013
- Beginning January 2014 a separate PM\PI and Infrastructure ESM will be awarded

Provider	Task Title	Cost (Hrs or \$K Sell)
ATO C	Perform the following tasks - shipping:receiving of helium skids during recertifications - procurement of consumables (including Helium Gas (HeG)) - Preventative Maintenance Checks and Services (PMCS) - ISO container recertifications - dufy PHS&T site activities - maintaining inventory and database/MMS - During the one site operations and one site storage period, the PHS&T team shall also complete pre-emplacement activities to ready and prepare the system prior to Abendeen Proving Grounds (APG) arrival. The PHS&T must ensure all packaging paperwork is in order and create transportation paperwork, ready additional required rentals and consumables - POP Jan 1 2014 - July 2014	
Miscellaneous	**************************************	
Chain/LMI Data Base	HTSE SCM support for PHS&T	
Consumables	HW Consumables and Helium Re-certifications for pressure vessel test and Helium Gas	
Vendors	Shipping and Rentals	
.ead	Half-time task leadership per JPO request	
PMICM	Support ESMs for October 2013 - December 2013	

MILESTONE	STARL DATE	ENDIDATE	MILESTONE	START DATE	END DA
		- 11		1 1	
	4	11		1	

**JLENS** CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00058
ATTACHMENT 0055
2 OF 2 2 6 2013

AMENDMENT OF SOLICITATION	ON/MODIFICATI	ON OF CONT	RACT	I. Contract 1		Page 1 Of 4
2. Amendment/Modification No.	4. Requisition/Pure	hase Req ?	Cost Plus Fixed Fee  5. Project No.		. (If applicable)	
6. Issued By  ARMY CONTRACTING COMMAND REDSTONE REDSTONE ARSENAL AL 15898-5280	Code - W3 1P4Q	7. Administered By DCMA RAYTHE 50 APPLE HI M/S TZPR2 TEWKSBURY M	(If other to ON TEWKSB LL DRIVE	ÜRY		Code S2205A
B. Name And Address Of Contractor (No., Street	t, City, County, State and I	L Zip Code)		9A. Amendmer	nt Of Solicitation	i No.
350 LOWELL ST ANDOVER, MA 01810-4400				9B. Dated (See	Item 11)	
			x	10A. Modificat	tion Of Contract	Order No.
			1 1	10B. Dated (Se	The state of the s	
Code D5716 Facility Code		and the second second second	1 1	2003MAR17		
11. T The above numbered solicitation is amende	HIS ITEM ONLY APPLI		387, W. 129 - A	NAMES OF TAXABLE SAME		Vantendering
may be made by telegram or letter, provided a hour and date specified.  2. Accounting And Appropriation Data (If required NO Change to obligation Data)  13. THIS	ilred) ITEM ONLY APPLIES T	TO MODIFICATION	IS OF CO	NTRACTS/OR		
A. This Change Order is Issued Pursuant		act/Order No. As De	scribed In	The state of the s	hanges Set Forth	In Item 14 Are Made in
B. The Above Numbered Contract/Order Forth in Item 14, Pursuant To The A	is Modified To Reflect T		nanges (suc	h as changes in	paying office, s	ppropriation data, etc.) Set
C. This Supplemental Agreement Is Ente				- (4) L 2-3-4	1	71-71
D. Other (Specify type of modification an	d authority)					
E. IMPORTANT: Contractor is not,	is required to sign	this document and re	turn		ples to the Issui	ng Office.
4. Description Of Amendment/Modification (O	rganized by UCF section h	tesdings, including so	licitation/c	ontract subject	matter where f	eusible.)
SEE SECOND PAGE FOR DESCRIPTION						
				100		
						¥
acept as provided herein, all terms and condition	ons of the document refer	enced in Item 9A or 1	OA, as here	etafore changed	l, remains uncha	inged and in full force and
SA Name and This Office of The Control	***************************************			The strip		
	15C. Date Signed	,				ligned
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(Signature of person authorized to sign)		30				10-83)
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CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00059

Page 2 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name

Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fe

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT LOG13-01 REV "A".

A-3 AS A RESULT OF THIS MODIFICATION THE PERIOD OF PERFORMANCE FOR SLINS 0005AJ (LABOR) AND 0005AK (MATERIAL) ARE EXTENDED FROM 27 SEPTEMBER 2013 TO 22 NOVEMBER 2013.

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE REMAINS THE SAME.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0060 \*\*\*

Reference No. of Document Being Continued

PHN/SIIN W31P4Q-10-C-0003

MOD/AMD P00059

Page 3 of 4

TEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS	A Mark of Artist of The Control of		AND SOME THE PERSON OF THE	
005	#12731 JLENS AVAILAB				
005AJ	FY13 ESM LOG13-01		to		s
	GENERIC NAME DESCRIPTION: #12731 JLENS AVAILAB CLIN CONTRACT TYPE:     Cost Plus Fixed Fee PRON: 4M3J710100 PRON AMD: 02 ACRN: AK				*
,	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 22-NOV-2013				
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005AK	FY13 ESM LOG 13-01		IO		\$
	GENERIC NAME DESCRIPTION: #12731 JLENS AVAILAB CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J710100 PRON AMD: 02 ACRN: AX				
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CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00059

Page 4 of 4

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda

Title

Number

003

Date

09-SEP-2013

of Pages

Transmitted By

EMAIL

Attachment 0051

ENGINEERING SERVICE MEMORANDUM LOGI3-01 REV "A"

RAYTHECH COMPANY

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	U.S. ARMY					MANI	0	LOG13-	01A
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ACLIECT FITE				-			CONTRACT NO	9/4/2013	
Provide.	JLENS Whole Life A	vailability Ma	anagem	nent				10-C-0003	
11/22/20	013						COST ACCOUR		
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mitigation ihrough 21 Service Li reliability i Availabilit and coord	LENS Whole Life Ava analyses, and report 018. Availability Mana fe), interchangeability performance, and invi- y Management planni lination of recomment and assessment report	ing of actual a agement effect and substitutentory managing, 2) quarter ded part availa	nd poter tively into ability, p ement. ly asses ability mi	ntial ava egrates art repla JLENS sments tigation	illability r parts av acement Availabili and clas strategie	isks the allability Maisficates, and	tat will impa ity, COTS E ng, supplier nagement o ion of part a d 4) delivery	ct sustainment of OL (End Of Life) interface, techno onsists of five cor wallability risks, 3 of Avallability Ma	the systems & EOSL (End Of logy insertion, nponents: 1) ) development inagement
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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00059 ATTACHMENT 0051 1 OF 3 SEP 2 6 2013 SEP 2 6 2013

### **ENGINEERING SERVICES MEMORANDUM**

ORM 5H-31-00-04

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E M/C		_	_	_	_

LOG13-01A

DESCRIPTION OF PROPOSED WORK (CONT)

### 1. Perform Availability Management Planning

The organization of tasks required to perform JLENS Availability Management includes scheduling, prioritization, migration of lessons learned, system level oversight of End of Life/End of Service Life (EOL/EOSL) thresholds for all externally procured and internally fabricated components, Shop Replaceable Units (SRUs) and Line Replaceable Units (LRUs) throughout the system's sustainment period of 2018. Also includes development and implementation of asset availability and part availability mitigation strategies. Additionally provide Availability Management lead role and customer interface.

### 2. Quarterly Availability Management Assessments and Classifications

Quarterly availability management assessments performed on all piece parts (primary and approved alternates), SRUs, and LRUs in JLENS Orbits #1 and 2. Each part will be categorized with a Part Availability classification

- > Green Projected Availability of more than 2 years
- > Yellow Projected Availability of at least 1 year but less than 2 years
- Orange Projected Availability of less than 12 months
- Red Projected Availability of ZERO. Part is no longer in production from last Raytheon-approved OEM

### 3. Coordinate Availability Management Mitigation Strategies

Coordinate mitigation strategies for parts availability issues as they arise during the defined JLENS support period through 2018. Obsolete components and other supply items are evaluated to determine the impact on the SDD Technical Data Package (TDP) in terms of design modification complexity of the EDM component. Designs can be revised in one of the following categories for obsolete components:

 a. Dirop-in replacement part which can use the existing component footprint without changing the Printed Wiring Board (PW/B) artwork (Parts List change only).

 Component replacement with a different footprint due to pin-out differences, with a re-spin of the PWB artwork to accept an equivalent replacement part.

c. Component redesign requiring new PWB artwork due to the elimination of the obsolete part by designing it out.

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Sheet 2

### **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

ESM NO.
LOG13-01A

### DESCRIPTION OF PROPOSED WORK (CON'T)

### 4. Deliver Planning and Assessment Reports

Prepare quarterly availability assessment reports to summarize activities and accomplishments. Inputs include tasks, status, and issues encountered during previous period. Hold quarterly meetings with the Government to review all availability management impacts, determine courses of action and indentify most effective mitigation strategy to pursue. Deliver final summary availability assessment report at completion of contract period.

### 5. Continuously update OneIDE Website

Accommodate web based availability reporting to include all pertinent data elements, assessments and analysis required to reach the desired resolution.

includes 4 quarterly review meetings.

#### Mod A

Two month POP extension - zero growth

Assumes FY14 funding separately funded for program management oversight (including financial and data management support).

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Sheet 3

7 Amand	ION/MODIFICATI	ON OF CONTRACT	I. Contract I		Page 1 Of 7
2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req			. (If applicable)
ARMY CONTRACTING COMMAND-REDSTONE REDSTONE ARSENAL AL 35898 5280	Code W31P4Q	7. Administered By (If other DCMA RAYTHEON TEWKS 50 APPLE HILL DRIVE M/S T2FR2 TEWKSBURY MA 01876	BURY		Code \$2205
			,		
RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01810-4400	et, City, County, State and I	Zip Code)	9A. Ameadmer 9B. Dated (See	-575	on No.
		×	10A. Modificat		ct/Order No.
Cada of the Land o			16B. Dated (Se	2823384	
Code 05716 Facility Code		IES TO AMENDMENTS OF S	2003MAR17		
hour and date specified.					
ACRN: AG NET INCREASE: 5.00	* 76	TO MODIFICATIONS OF CO	NTRACTS/OR	DERS	HOW SHOW HAVE
ACRN: AG NET INCREASE: 5.00	S ITEM ONLY APPLIES T It Modifies The Contr	TO MODIFICATIONS OF CO ract/Order No. As Described In	item 14.		th In Item 14 Are Made In
ACRN: AG NET INCREASE: 3.50  13. THIS  A. This Change Order is Issued Pursual The Contract/Order No. In Item 10.  B. The Above Numbered Contract/Orde	S ITEM ONLY APPLIES T It Modifies The Contr nt To: A. er Is Modified To Reflect T	act/Order No. As Described In the Administrative Changes (so	Item 14. The Ci	nanges Set For	
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A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10.  B. The Above Numbered Contract/Order Forth In Item 14, Pursuant To The acceptance of the Item 15.  C. This Supplemental Agreement Is Ent D. Other (Specify type of modification acceptance)  E. IMPORTANT: Contractor is not, d. Description Of Amendment/Modification (Contractor)	S ITEM ONLY APPLIES To It Modifies The Control of T	The Administrative Changes (so.).  thority Of:  this document and return	The Cluch as changes in co	paying office, paying office, pies to the Issu matter where	appropriation data, etc.) Se

Reference No. of Document Being Continued

MOD/AMD P00060

Page 2 of 7

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Nam Buyer Off

Type of Contract: Cost Plus Fixed F

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-6003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 45 PM/CM13-01 REV "B".

A-3 BY EXECUTION OF THIS MODIFICATION MATERIAL DOLLARS IN THE AMOUNT OF DOLLARS. SLIN 0005AC LABOR HOURS ARE INCREASED BY

ARE REALIGNED FROM SLIN 0005AD TO SLIN 0005AC LABOR THE CHANGES ARE ARE AS FOLLOWS.

SLIN 0005AC (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL

SLIN 0005AD (MATERIAL) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT OBLIGATED AMOUNT REMAINS THE SAME.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0061 \*\*\*

Redactions per (b)(4)

000719

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00060

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO AMOUNT SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 FY13 OPTION PERIOD JLENS ENG SRVS Labor Material Total PCL COST GEA TCL COST (W/O COM COST OF MONEY FEE CPFF Exercised Remaining Hours Description PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Material Exercised Remaining Description ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B009) 0005AC LO PM/CM13-01 GENERIC NAME DESCRIPTION: 12794 PM/CM FY12 OPT CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M2J722000 PRON AMD: 04 ACRN: AG Estimated Cost COM Fixed Fee Total Description Hours PM/CM13-01 REV "B"

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00060

Page 4 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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CONTINUATION SHEET

Reference No. of Document Being Continued

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MOD/AMD P00060

Page 5 of 7 -

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Redactions per (b)(4)

000722 CONTINUATION SHEET

#### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00060

Page 6 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

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#### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00060

Page 7 of 7

Name of Offeror or Contractor: RAYTHRON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0045

Title

23-SEP-2013

Number

Transmitted By of Pages

002

ENGINEERING SERVICES MEMORANDUM PM/CM 13-01 REV "B"

EMAIL

000724 RAYTHEON COMPANY

**ENGINEERING SERVICES MEMORANDUM** 

FORM SH-31-00-04

U.S.	ARMY	<b>AVIATION</b>	AND I	MISSILE	COMMA	ND
	RED	STONE AR	SENA	L. ALAE	BAMA	

PM/CM13-01-B

PROJECT TILE FY13 ESM Program Management / Configuration Management	W31P4Q-10-C-0003	
9/28/2013	COST ACCOUNT	

DESCRIPTION OF PROPOSED WORK

12 Months (1 October 2012 – 28 September 2013) of Program Management Performance and Document / Configuration Management functions for the JLENS Engineering Services Program to include:

- Program Management
- Finance Support
- Develop support plan for ESMs and Sub-ESMs Proposal (ex. FY13 PM\CM, FY14 PM\CM, FY14 GSIL) and incorporation into financial tracking and monthly report
- Develop PM and Financial CDRLs for ESM
- Data Management
- SME Support
- Travel time
- Program reviews and packages

RESULTING DOCUMENTATION, HARDWARE, BENEFIT'S AND DELIVERY DATE

To be specified in Sub-ESMs as required

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CMDS P.O.:

CONCURRENCE SIGNATURES:

RAYTHEON IDS

DATE

CMDS PROJECT OFFICE

DATE

ORIGINAL SSUE

PROJECT OFFICE

DATE

9/4/2012

REVISION
REVISION
PREVISION

9/4/2013 Original Issue

Mod A - Funding added for Feb - Sept

Mod B - Material Dollars transferred to Labor Dollars

Sheet

JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00060
ATTACHMENT 0045
LOF 2

SEP 2 7 2013

### **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

				7	ESM NO.	PM/CM13-0	1-8
CRIPTION OF PROPOSED WORK (CONT) Assumes support of follogonations accounted for separately	wing ESM efforts and Availability	s: Manageme	ent. New o	Exercise F andidates (not	Planning/	Site Selec	tion,
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Exercise Planning							
2013 PM/CM effort refle	cted herein has h	een jointly	narinered :	and concurred t	hv RTN :	and JPO a	nd has
been deemed by JPO to	be in accordance	e with Nunr	McCurdy	ADM.	<b>.,</b>	and 01 0 d	ia nao
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AMENDMENT	OF SOLICITAT	ION/MODIFICATI	ON OF CONTRAC	2 1	1. Contract I		Page 1 Of ?
2. Amendment/Modifi	cation No.	SEP 2 7 2013	4. Requisition/Purchase R	teq No.			o. (If applicable)
6. Issued By		Code W31P40	7. Administered By (If oth		n Item 6)		Code S2205
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RAYTHEON COMPAN 350 LOWELL ST ANDOVER, MA 011	NY	et, City, County, State and	Zip Code)	1	B. Dated (See	t Of Solicitati	on No.
			Į×.	] 10	A. Modificat	ion Of Contra	ict/Order No.
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	11.	THIS ITEM ONLY APPLI	ILS TO AMENDMENTS OF	r SUL	ICITATION	9	
12. Accounting And A ACRN: AJ NET 1	ppropriation Data (If re-					rne	
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The Contr	e Order is Issued Pursua act/Order No. In Item 10		h. Administration Change	(euch :			th In Item 14 Are Made In
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C. This Supple	emental Agreement Is En	tered Into Pursuant To Aut	hority Of:				
D. Other (Spec	cify type of modification	and authority)					
E. IMPORTANT:			this document and return_		co	pies to the lase	uing Office.
14. Description Of An	nendment/Modification (	Organized by UCF section b	neadings, including solicitati	on/con	tract subject	matter where	feasible.)
SEE SECOND PAG	E FOR DESCRIPTION						¥
Except as provided he effect.	erein, all terms and condi	tions of the document refere	enced in item 9A or 10A, as	hereto	fore changed	, remains uncl	nanged and in full force and
15A. Narree And Title	Of Signer (Ty		1.00	the file		ona.	forth.
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Reference No. of Document Being Continued

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00061

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 50 13-04 REV "A".

A-3 BY EXECUTION OF THIS MODIFICATION LABOR DOLLARS IN THE AMOUNT OF

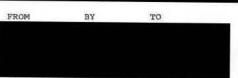
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DOLLARS. SLIN 0005AG LABOR HOURS ARE DECREASED BY FROM

THE CHANGES ARE AS FOLLOWS.

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A-4 AS A RESULT OF THIS MODIFICATION, THE PERIOD OF PERFORMANCE IS EXTENDED FROM 27 SEPTEMBER 2013 TO 26 SEPTEMBER 2014 AND IS REFLECTED UNDER SLIN 0 005AG (LABOR) AND SLIN 0005AH (MATERIAL).

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT OBLIGATED AMOUNT REMAINS THE SAME.

A-6 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0062 \*\*\*

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00061

Page 3 of 7

	ror or Contractor: RAYTHEON COMPANY	OFTANISME	TINITE	TIMES DESCRIP	AMOUNT
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PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00061

Page 4 of 7

ITEM NO	ror or Contractor: RAYTHEON COMPANY SUPPLIES/SERVICES	OHANTITY	UNIT	UNIT PRICE	AMOUNT
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	(End of narrative B002)				
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Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00061

Page 5 of 7

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)	CONTIN	NUATIO	N SHEET			o. of Document Being C	ontinued MOD/AMD	P00061	Page	6 <b>of</b> 7	====
Name	of Offeror	r Contract	OF: RAYTHEON COMPANY								
SECTION	G - CONTRA	ACT ADMINIS	STRATION DATA								
	PRON/ AMS CD/										
LINE	MIPR/	OBLG	JO NO/				INC	EASE/		CUMULA	TIVE
TEM	GFEBS ATA	STAT	ACCT ASSIGN	ACRN		PRIOR AMOUNT		EASE		AMOU	
005AG	4M3J710200		A.0009263.1.2	AJ	ş	\$	-		\$		
005AH	4N3J710200	2	A.0009263.1.2	AJ	\$	\$			\$		
						NET CHANGE \$	5	0.00			7
ACRN	ACCOUNTING	CLASSIFICA	ATION								INCREAS
	021 201320	The second second second	A5XFJ 172419E55FPDG	251C L03	2673	136 A.0009263.1.2			021001	\$	0
								N	ET CHANGE	\$	0
			PRIOR AMOUNT OF AWARD			INCREASE/DECREASE AMOUNT		100.00	MULATIVE BLIG AMT		
TET CHA	NGE FOR AWA	ARD: \$	35,042,935.00		3	0.00	\$	35,04	2,935.00		
LINE											
TEM	ACRN E	OI/SFIS ACC	COUNTING CLASSIFICATI	ON							
005AG	-	21 20132014	The state of the s	AND CONTRACTOR OF THE PARTY.	251	C L032673136 A.000926	3.1.2			021001	
0005AH	AJ O	21 20132014	2040 A5XFJ 1724	19E55FPDG	251	C L032673136 A.000926	3.1.2			021001	

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00061

Page 7 of 7

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Addenda Attachment 0050

Mumber

ENGINEERING SERVICES MEMORANDUM EN13-04 REV "A"

PHN/SHN W31P4Q-10-C-0003

of Pages

Transmitted By EMAIL

16-SEP-2013 001

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

U.S. ARMY A			SSILE COM ALABAMA		)	EN13-04 DATE 9/16/2013	A
PROJECT T Provide support to the Govern ESTIMATED COMPLETION DATE OF ESM	nment System	n Integratio	on Labs (SiLs)		CONTRACT NO. W31P4Q-1 COST ACCOUNT	0-C-0003	
09/26/2014							
1. Support maintenant	-5.1 - 1.1	Image	e -117-		and the IV&	V 6 - T	
<ol> <li>Support coordinates</li> <li>Attend meetings, V'</li> <li>Support configurations</li> <li>Review findings/iss review of findings/iss re</li></ol>	TCs, and/or te on management ues provided to ssues of subcondynamic evaluries explained from ability certificated and regressions.	d installation lecons as result and security the JPO antractor solutions through multiple ation activities ation activities ation testing the desired ation activities at the desired at t	n of software be equested in supp- rity certification as a result of sou ftware where ap- ugh generation of testing ities, including ag of associate	ort of SI program irce code plicable. of STR li particip ed softw	L installation is, as requeste analysis and sts as require ation in test are modification.	/maintenance actived I IV&V activities, d, SME support d events, analysis	vities including the uring planning, an
	ALL OF THE PARTY OF THE	School Strangers	MOTOR CALLS A PARTICULAR OF THE PARTICULAR OF TH		m-site 51L et		
GOVERNMENT FURNISHED EQUIP	MENT	DATE REQU	IRED RETU	RN DATE	+	CONDITION OF R	ETURN
To be specified in Sub-ESMs as requ	uired		1				
To be specified in Sub-ESMs as requestimated cost  ORIGIN ISSU	E FOLLOWIN	G IS PROF	PRIETARY INFO	RMATIC	ON PROTECT	TED UNDER P. L	. 100-679 * * * * CHANGE
RECT LABOR HOURS							
MATERIAL S	\$		5	\$		5	5
OMPTR/SUBCONTR LBR \$	S		S	5		S	s
AVEL & PER DIEM S	S		s	S		\$	s
THER	5		5	\$		5	5
TOTAL 5	5		5	5		\$	\$
SM MONITORS Raytha				MDS P.O.:			
ONCURPIENCE SIGNATURES:	EON IDS	I.	DATE		CMDS PROJE	CT OFFICE	1 DATE
PRIGINAL Original Issue			12/18/2012				
REVISION							-
EVISION			9/16/2013				
BEVISION BY					_		
REVISION							
REVISION							
od A: Revision of task work ne id reduced travel by resu quest.	w line item #7 ulting in						s to material dollar 26, 2014 per JPO

AMENDMENT OF SOLICITAT	TION/MODIFICATI	ON OF CONTRACT	1. Contract		Page 1 Of 4
2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req			lo. (If applicable)
6. Issued By	Code W31P40	7. Administered By (If other	than Item 6)		Code 52205
ARMY CONTRACTING COMMAND-REDSTONE	1122012	DCMA RAYTHEON TEWKS			[ 322.037
CONTROL CONTROL CONTROL		50 APPLE HILL DRIVE	7.141.74		
REDSTONE ARSENAL AL 35898-5280		M/S T2FR2			
		TEWKSBURY MA 01876	+1198		
	•				
8. Name And Address Of Contractor (No., Str	eet, City, County, State and	Zip Code)	9A. Amendme	nt Of Solicitat	ion No.
RAYTHBON COMPANY		, <u>L</u>			
350 LOWELL ST		1	00 D 1/C	t. 111	
ANDOVER, MA 01810-4400			9B. Dated (See	ttem 11)	
			10A Modifies	tion Of Contr	act/Order No.
		X	Toris mountain	non or conn	aci Orace III.
			W31P4Q-10-C	-0003	
			10B. Dated (Se	ee Item 13)	
Code 05716 Facility Code			2003MAR17		
	. THIS ITEM ONLY APPLI	IES TO AMENDMENTS OF S	OLICITATION	IS	
The above numbered solicitation is amen	ided as set forth in item 14.	The hour and date specified for	receipt of Offer	rs	
is extended. is not extended.					
Offers must acknowledge receipt of this am		nd date specified in the solicita	tion or as ameno	led by one of	the following methods:
(a) By completing items 8 and 15, and retur	rning copies o	of the amendments: (b) By ackn	owledging recei	nt of this ame	ndment on each copy of the
offer submitted; or (c) By separate letter or	r telegram which includes a r	reference to the solicitation and	amendment nu	mbers, FAIL	URE OF YOUR
ACKNOWLEDGMENT TO BE RECEIVE	ED AT THE PLACE DESIG	NATED FOR THE RECEIPT	OF OFFERS P	RIOR TO TH	E HOUR AND DATE
SPECIFIED MAY RESULT IN REJECT!	ON OF YOUR OFFER. ICE	by virtue of this amendment you	desire to chang	ge an offer air	endy submitted, such change
mny be made by telegram or letter, provide hour and date specified.	ed each felegram or letter mi	ikes reference to the solicitation	n and this amen	iment, and is	received prior to the opening
12. Accounting And Appropriation Data (If re	equired)				
NO CHANGE TO OBLIGATION DATA					
Second and the second s	THE PERSON AND A LOCAL PROPERTY.	TO HODIEG TONE OF CO	NTD ACTOOD	nene	
13. TH		FO MODIFICATIONS OF CO ract/Order No. As Described In		DEKS	
This Change Order is Issued Pursu The Contract/Order No. In Item 1			The C	hanges Set Fo	rth In Item 14 Are Made In
B. The Above Numbered Contract/Or	der Is Modified To Reflect T		ch as changes in	paying office	, appropriation data, etc.) Set
Forth In Item 14, Pursuant To The					
		*****			
D. Other (Specify type of modification					
E. IMPORTANT: Contractor is no	t, is required to sign	this document and return		pies to the Iss	
14. Descaription Of Amendment/Modification	(Organized by UCF section )	headings, including solicitation	contract subjec	matter wher	e feasible.)
SEE SECOND PAGE FOR DESCRIPTION					
Except a s provided herein, all terms and cond	litions of the document refer	enced in item 9A or 10A, as her	etofore change	d, remains une	hanged and in full force and
effect.		-		0.00	- 10
Tune se nein	M				
	5C. Date Signed				C. Date Signed
	121/12				16.10
	0/24/13				0/24//3
NSN 75-9 0-01-152-8970	-	3			0 (REV. 10-83)
PREVIOLUS EDITIONS UNUSABLE					D (48 CED) 51 34

#### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00062

Page 2 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Offi

Type of Contract: Cost Plus Fixed Fee Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 46 EN13-03 REV "C".

A-3 BY EXECUTION OF THIS MODIFICATION

LABOR DOLLARS IS REALIGNED FROM SLIN 00054AE (LABOR) TO SLIN 0005AF (MATERIAL). SLIN 0005AE LABOR HOURS ARE DECREASED IN THE AMOUNT OF INCREASES ARE AS FOLLOWS.

SLIN 0005AE (LABOR) FROM BY TO

DIRECT LABOR HOURS:
DIR LABOR & BURDEN

MATERIAL

SLIN 0005AF (MATERIAL) FROM BY TO

DIRECT LABOR HOURS:
DIR LABOR & BURDEN

MATERIAL

SLIN 0005AF (MATERIAL) FROM BY TO

DIRECT LABOR HOURS:
DIR LABOR & BURDEN

MATERIAL

A-6 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT OBLIGATED AMOUNT REMAINS THE SAME.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0063 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00062

Page 3 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 FY13 OPTION PERIOD JLENS ENG SRVS Labor Material Total FY13 PCL COST G&A TCL COST (W/O COM) COST OF MONEY PEE CPFF Hours Hours Description Hours Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS Material Material Description Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FEE COMPOSITE HOURLY RATE IS FOR (End of narrative B011)

#### Reference No. of Document Being Continued

MOD/AMD P00062

Page 4 of 4

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Title Date of Pages Transmitted By

PHN/SHN W31P4Q-10-C-0003

Attachment 0046 ENGINEERING SERVICES MEMORANDUM EN13-03 REV 'C" 08-OCT-2013 002 EMAIL

RAYTHEON COMPANY

ENGINEERING	SERVICES	MEMORA	ANDUM

	TION AND MISSIL		)	EN13-03	С
REDSTOR	NE ARSENAL, ALA	BAMA		10/08/2013	3
ROJECYTITLE		No Inchia	CONTRACT NO.	0.000.000.000.000	
JLENS A-Kit Cost Reduction Initiat	ive		W31P4Q-10	0-C-0003	
11/29/2013			COST ACCOUNT		
ESCRIPTION OF PROPOSED WORK					
<ol> <li>Support the functional redes procurement costs.</li> <li>Conduct monthly reviews (of schedule status.</li> <li>Trade studies should asses that would drive costs down Cost (DTUC). List of potential</li> </ol>	one per quarter in person s changes to the existin ward using principles of tial areas for considerati	in Huntsville, A	nd interface rependent Var	echnical progre equirements (d iable (CAIV) ar	ata and physica
<ol> <li>Conduct a decision review i</li> <li>(See continuation sheet)</li> </ol>	n Jan 2013 to select a p	referred redesig	n alternative.		
GOVERNMENT FURNISHED EQUIPMENT	DATE REQUIRED	RETURN DATE	T	CONDITION OF RE	ETURN
o be specified in Sub-ESMs as required					
ESULTING DOCUMENTATION, HARDWARE, BENEFI	TE AND DELIVERY DATE				
DRIGINAL ISSUE	LOWING IS PROPRIETA	CHANGE	CHANGE	CHANGE	CHANGE
RECT LABOR & BURDEN 5	5 5	\$ 5 5		5	5
MPTR/SUBCONTR LBR \$	1 1	5		5	8
AVEL & PER DIEM \$	5			5	\$
TOTAL 5	5	5		5	1
TOTAL 5	5	-			5
Reytheon IDS:		CNDS P.O.:			
NC URRENCE SIGNATURES: RAYTHEON IDS	DAT	e I	CMDS PROJECT	OFFICE	DATE
Original Issue					
Extend POP to Nov 29.	2013 8/29/2	2013			
EVISION	8/30/2	2013			
.C.	0/4	12013			16 Det 13
D.					
EVISION E-					
A - Extend POP to Nov 29 2013					
B - Reduce Material C -					
*					

FORM 6H-31-00-04

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

				EN13-03C	
ESCRIPTION OF PROPOSED WORK (CONT)					
5. Conduct a system function configuration. Provide recommendation. PDR levi	commended red traft NOR/RFDs	uirements ch that would fa	anges to the	mended changes in fu	
<ol><li>Create and provide simul</li></ol>	ations and/or en	mulators			
7.	integration and	analysis in th	e government's System In the determination of	design alternal	ive impac
eas for consideration to reduce	noete*	====			
	i i		NATIONAL PROGRAMMENT AND THE COMMENT AND A TOTAL COMMENT AND A STATE OF THE		
Evaluate impacts to the c the Data Processing Stat			nd current required function	nality by eliminating th and the media con	a Selection of the contract
			onality on existing baseline	hardware/software by	,
eliminating the proposed					
The state of the s			Data Processing Station o		
eliminating the proposed		ting baseline	design memory/throughpu	I margins and Trivis D	У
The state of the s		verters in the	Data Processing Station o	f the CPG hardware.	
<ul> <li>Provide other potential c</li> </ul>		anges to acco	mmodate the	reduce required	hardware
and reuse JLENS softwar	A STATE OF THE PARTY OF THE PAR	10E0	(4)		
<ul> <li>Evaluate and/or leveraging</li> </ul>	ig existing DDS	/CEC capabil	ities.		
v <b>B</b>			500 S 100 S 100 S 100 S 100 S	Name of the second	
O technical direction received to study effort delayed start of	o investigate us SW simulation i	which was a l	arge portion of the materia	and provide co budget. Direction red	
guist 28th to reduce funding from	n underspend.	Reducing ma	terial funding per JPO dire	ection: remaining funding	ng to
nsport CPG Lite to HSV, some	close out activi	ties, and supp	port efforts thro	ough end of November	
	MILE	STONE PLAN IMEAS	JRABLE TASKS ONLY)		
MILESTONE	START DATE	END DATE	MLESTONE	START DATE	END DATE
		1 1			
				1	
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	1			1	
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		1 1			
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				1	

JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00062 ATTACHMENT 0062

2 OF 2 OCT 2 4 2013

	3. Effective Date	4. Requisition/Purchas	e Req No.	5. Project N	o, (If applicable)	
900063	OCT 2 4 2013	SEE SCHEDI	JLÉ			
. Issued By	Code W31P4Q	7. Administered By (If	other than Item 6)		Code	52205
ARMY CONTRACTING COMMAND-REDS		DCMA RAYTHEON SO APPLE HILL M/S TZFRZ TEMKSBURY MA	DRIVE			
EMAIL:						
Name And Address Of Contractor (N	o., Street, City, County, State and	Zip Code)	9A. Amenda	ment Of Solicituti	on No.	
RAYTHEON COMPANY						
ANDOVER, MA 01810-4400		1	9B. Dated (	See Item 11)		
		F	IV IOA. Modif	ication Of Contra	sct/Order No.	
		1				
			W31P4Q-10	(See Item 13)	117-11-2020111-	-
ode 05716 Facility Cod	de		2003MAR17	(see ttem 15)		
	II. THIS ITEM ONLY APPI	IES TO AMENDMENTS	OF SOLICITATION	ONS		
- 7	13. THIS ITEM ONLY APPLIES It Modifies The Con	TO MODIFICATIONS ( truct/Order No. As Descri	bed ta Item 14.	2000000000	th to the state	Made le
A. This Change Order is Issued The Contract/Order No. In	Item 10A.				rth In Item 14 Are	
B. The Above Numbered Contra Forth in Item 14, Pursuant	revOrder Is Modified To Reflect To The Authority of FAR 43.103(		ges (such as change	s in paying office.	, appropriation dat	a, etc.) Se
P. MALE TO LAND THE PROPERTY OF THE PARTY OF	it Is Entered Into Pursuant To A	athority Of:				
C. This Supplemental Agreemen						
D. Other (Specify type of modifi	icetion and authority)					
D. Other (Specify type of modifi	is not, is required to sig	n this document and retur	NAME OF TAXABLE PARTY.	_copies to the le		
D. Other (Specify type of modification)  IMPORTANT: Contractor  Description of Amendment/Modification  SEE SECOND PAGE FOR DESCRIPT	is not, is required to sig cutton (Organized by UCF section	s headings, including solic	itation/confract sub	ject matter where	c (easible.)	
D. Other (Specify type of modific IMPORTANT: Contractor 4. Description Of Amendment/Modific SEE SECOND PAGE FOR DESCRIPT	is not, is required to sig cutton (Organized by UCF section TON	s headings, including solici	itation/confract sub	ject matter where	c feasible.) changed and in full	force and
D. Other (Specify type of modification)  IMPORTANT: Contractor  Description Of Amendment/Modification  SEE SECOND PAGE FOR DESCRIPT  Accept as provided herein, all terms and feet.	is not, is required to sig cutton (Organized by UCF section TON	s headings, including solici	itation/confract sub	ject matter where	c feasible.) changed and in full	force and
D. Other (Specify type of modification)  i. IMPORTANT: Contractor  4. Description Of Amendment/Modification	is not, is required to sig cutton (Organized by UCF section TON	r headings, including solicities and selection solicities are selected in item 9A or 10A	itation/confract sub	ject matter where	c feasible.) changed and in full	

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00063

Page 2 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING CORRECTED VERSION OF ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 50 13-04 REV "A".

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT OBLIGATED AMOUNT REMAINS THE SAME.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0064 \*\*\*

**CONTINUATION SHEET** 

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00063

Number

Page 3 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Title Date of Pages Transmitted By

Attachment 0050 ENGINEERING SERVICES MEMORANDUM EN13-04 REV "A" 16-SEP-2013 001 EMAIL

000743 RAYTHEON COMPANY

# **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

	U.S. ARMY AVIATI		ISSILE COM , ALABAMA	MAND	EN13-0 DATE 9/16/2013	4A
Provide	E support to the Government S	vetom Integral	ion Labe (SILe)	CONTRAC		
ESTIMATED	COMPLETION DATE OF ESM	ystem maegra	don Labs (GiLs)	COST ACC		
09/26/2						
	NOF PROPOSED WORK  Support maintenance of the	real_time HWII	facility a	and the	IV&V facility a	
2 3 4		vely referred to ry and installati for telecons as gement and sec	as the GSILs on of software bu requested in suppo urity certification	ild deliveries and ort of SIL installa programs, as req	I relevant mods (pate ation/maintenance ac uested	tivities
	review of findings/issues of Support the IV&V dynamic coordination of issues result Support interoperability of SPRs, development and re-	subcontractor si evaluations thro ing from dynam ertification acti	oftware where appough generation on ic testing vities, including	plicable.  f STR lists as requestion in	uired, SME support	during planning, and
S	UR, NG, VSE support not inclu	ded. FY12 SAS	did not need to s	upport on-site SI	L efforts.	
80	VERNMENT FURNISHED EQUIPMENT	DATE REC	UIRED AETU	AN DATE	CONDITION OF	RETURN
DIRECT LABOURECT LABOURECT LABOURATERIAL COMPTRISUE TRAVEL & PE	ORIGINAL IGRIJE OR HOURS OR & BURDEN \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	"A" CHANGE	CHANGE	CHANGE  S S S S S S S	CHANGE  S S S S S S	CHANGE  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
TOTAL			s	5	\$	š
	Raytheo		c	MCS P.O.;		
CONCURREN	CE SIGNATURES: RAYTHEON IDS	1	DATE	CMDS	ROJECT OFFICE	DATE
ORIGINAL	Original Issue		12/18/2012	HT 044-1795 PS		
REVISION A			9/16/2013			26 Sep 13
AEV SION						
LEA I RION						
PEVISION						
REVISION						
	evision of task work new line ite d travel by	m #7, includes	offort (m	naterial), transfer and extend	ds POP to September	26, 2014 per JPO

AMENDMENT OF SOLICITA	TION/MODIFICATI	ION OF CONTRACT	1. Contract		Page 1 Of 6
2. Amendment/Modification No.	3. Effective Date 100V 0 6 2913	4. Requisition/Purchase Req			(o. (If applicable)
6. Issued By	Code W31940	7. Administered By (If other	than Item 6)		Code S2205
*	Harrag	The seem of the property of the seems of the			52205
ARMY CONTRACTING COMMAND-REDSTON	E	DOMA RAYTHEON TEWKS			
REDSTONE ARSENAL AL 35898-5280		M/S T2FR2			
700000000000000000000000000000000000000		TEWKSBURY MA 01876	-1198		
		i			
8. Name And Address Of Contractor (No., S	treet, City, County, State and	Zip Code)	9A. Amendme	nt Of Solicitati	ion No.
RAYTHEON COMPANY					
350 LOWELL ST		2	20 0 116		
ANDOVER, MA.01810-4400			9B. Dated (See	e ttem 11)	
		-	10A. Modifien	tion Of Contra	antification No.
		X	10A. Widdines	itten Of Contr	newOrder No.
			W31P4Q-10-C	-0003	
			10B. Dated (S		
Code 05716 Facility Code			2003MAR17	SEANTSMINE (	
	L THIS ITEM ONLY APPLI	IES TO AMENDMENTS OF S		is	
The above numbered solicitation is am	ended as set forth in item 14.	The hour and date specified for	receipt of Offe	rs	
is extended, is not extended					
Offers must acknowledge receipt of this a		and date specified in the solicita	tion or as amen	ted by one of t	he following methods:
(a) By completing items 8 and 15 and act	menument prior to the nour a	ind date specified in the soneria	non or as amen	ded by one of t	he tollowing methods:
(a) By completing items 8 and 15, and ret		of the amendments: (b) By ackn			
offer submitted; or (c) By separate letter					
ACKNOWLEDGMENT TO BE RECEIVE					
SPECIFIED MAY RESULT IN REJECT	TION OF YOUR OFFER. IF	by virtue of this amendment yo	a desire to chan;	ge an offer alre	eady submitted, such change
may be made by telegram or letter, provi	ded each telegram or letter mi	akes reference to the solicitatio	n and this amen	dment, and is r	eceived prior to the opening
hour and date specified.	1.6		-		
12. Accounting And Appropriation Data (If					
ACRN: AP NET INCREASE: \$876,516.	00				
13. T	HIS ITEM ONLY APPLIES	TO MODIFICATIONS OF CO	NTRACTS/OR	DERS	
		ract/Order No. As Described In			
A. This Change Order is Issued Purs The Contract/Order No. In Item			The C	hanges Set For	rth In Item 14 Are Made In
B. The Above Numbered Contract/O		the Administration Channel for	ah as ahaasas is	marino office	anananistian data ata 1 Sa
Forth in Item 14, Pursuant To T			ch as changes it	paying office,	appropriation data, etc.) Se
C. This Supplemental Agreement is					
-		normy on.			
D. Other (Specify type of modificatio	n and authority)				
. IMPORTANT: Contractor is n	of Wis required to sign	this document and return		ppies to the Iss	ming Office
4. Description Of Amendment/Modification	(Opposited by UCE section 1	hardings including callebration	anntenet subies		
4. Description Of Amendment/Modification	(Organized by OCF section)	neadings, including selicitation.	contract subjec	matter where	reastore.)
SEE SECOND PAGE FOR DESCRIPTION					
			e construir de la construir de		
acept as provided herein, all terms and con Nect.	iditions of the document refer	enced in item 9A or 10A, as her	etofore change	d, remains unc	hanged and in full force and
5.					
·		li i			
	15C. Date Signed			- 7	C. Date Signed
	1 1				1 /
	11/5/13				11/2/13
(Signature Uperson authorized to sig					14/1
SN 754 O-01-152-8070		30-			0 (REV. 10-83)
REVIOUS EDITIONS UNUSABLE					R (48 CFR) 53.24
The second of th					(10 11) 500.04

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00064

Page 2 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 56 PM/CM-14-

A-3 BY EXECUTION OF THIS MODIFICATION SLIN 0005AL LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF THE INCREASES ARE AS FOLLOWS.

AND THE LABOR HOURS ARE

SLIN 0005AL (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



A-4 AS A RESULT OF THIS MCDIFICATION, THE SUBJECT CONTRACT VALUE IS INCREASED IN THE AMOUNT OF \$876,516 PROM \$35,042,935 TO \$35,919,451.00.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF WARRATIVE A0065 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00064

Page 3 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 FY13 OPTION PERIOD JLENS ENG SRVS Labor Material FY13 PCL COST G&A TCL COST (W/O COM COST OF MONEY FEE CPFF Hours Hours Exercised Description Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Exercised Remaining Description ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B012) 0005AL LO ESM PM/CM 14-01 GENERIC NAME DESCRIPTION: #15669 PROP PREP ESM CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J715000 PRON AMD: 01 ACRN: AP Estimated Cost Fixed Fee Total Description PM/CM14-01 Labor

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00064

Page 4 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 30-NOV-2013

000748 Redactions per (b)(4)

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00064

Page 5 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/

CBLG

ITEM GFEBS ATA 0005AL 4M3J715000

STAT ACCT ASSIGN

JO NO/ A.0009263.1.2

ACRN AP

PRIOR AMOUNT

NET CHANGE

0.00

DECREASE

INCREASE/

876,516.00

INCREASE/

ACRN AP

ACCOUNTING CLASSIFICATION 021 201320142040

A5XFJ 172419E55FPDG 2550 L034888817 A.0009263.1.2

DECREASE

CUMULATIVE

021001 \$ 876,516.00

NET CHANGE \$

CUMULATIVE

876,516.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

AMOUNT

OBLIG AMT

NET CHANGE FOR AWARD:

35,042,935.00

876,516.00

35,919,451.00

LINE

ITEM

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION

0005AL AP 021 201320142040 A5XFJ 172419E55FPDG

2550 L034888817 A.0009263.1.2

021001

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00064

Page 6 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0056

T

Number

Date of

of Pages \_\_\_ Transmitted By

EMAIL

ENGINEERING SERIVCE MEMORANDUM PM/CM 14-01

23-OCT-2013

002

RAYTHEON COMPANY

	ENGINE	ERING	SERV	ICES	MEMO	RANDU	JM FORM 5H-31-00-04	
U.S.	U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA			AND	PM/CM 14-01 DATE  23 October 2013			
PROJECT TITLE					CONTRACT		JDC1 2010	
Proposal Preparati	on Costs					Q-10-C-0003		
ESTIMATED COMPLETION DA					COST ACC	THUC		
30 November 20 DESCRIPTION OF PROPOSE	O WORK							
Support of	fact-finding and	or negotiations	s for the pr	oposals on	a this list.			
	ANISHED EQUIPMENT	×20	EQUIRED	RETURN		CONDITIO	N OF RETURN	
To be specified in Sub-	ESMs as required							
To be specified in Sub-	ESMs as required	LLOWING IS PR			IATION PROT	ECTED UNDER	I P. L. 100-679 * * *	
	ORIGINAL	"A" CHANGE		CHANGE	CHANGE	CHAN		
DIRECT LABOR HOURS		13000000		-				
DIRECT LABOR & SURDEN		s	\$		ş	\$	Š	
	5	5	5	-	S	5	S	
TRAVEL & PER DIEM	3	5	3		\$	S	- 1	
OTHER	S	\$	S		5	\$	\$	
TOTAL ESM MONITORS	3	5	s		Š	S	S	
	sytheor S:			CMDS	P.O.:			
CONCLI RRENCE SIGNATURE	S:		_	-				
ORIGINAL	840111741196		10/23/	3	. CMDS P	ROJECT OFFICE	PYOCT 13	
REVISION			7.07.0.07				40013	
REVISION			F	-	*			
REVISION	-				-			
AEVISION D*								
HEVISION E								
EXPLANATION OF REVISION								

# **ENGINEERING SERVICES MEMORANDUM** PM/CM14-01 DESCRIPTION OF PROPOSED WORK (CONT) Proposal Preparation Costs and Hour breakdown by proposal: Actuals Hr Allocation \$ Allocation Preparation of the following proposals: 1 2 3 4 5 6 7 10 11 12 Actuals Hrs Dollars WILEST ONE PLAN (MEASURABLE TASKS ONLY) START DATE END DATE START DATE

**JLENS** CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00064 ATTACHMENT 0056 2 OF 2 NOV 0 6 2013

AMENDMENT OF SOLICITATE	ION/MODIFICATI	ION OF CONTRACT	1. Contract		Page 1 Of 6
2. Amendment/Modification No.	3. Effective Date NOV 0 6 2013	4. Requisition/Purchase Req			o, (If applicable)
6. Issued By  ARMY CONTRACTING COMMAND-REDSTONE REUSTONE ARSENAL AL 35898-5280	Code W31P4Q	7. Administered By (If other DCMA RAYTHEON TEWKS 50 APPLE HILL DRIVE M/S T2FR2 TEWKSBURY MA 01876	BURY		Code S2205.
<ol> <li>Name And Address Of Contractor (No., Street RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01810-4400</li> </ol>	et, City, County, State and	Zip Code)	9A, Amendme 9B. Dated (See	nt Of Solicitatio	an No.
		×	10A. Modifica W31P4Q-10-C 10B. Dated (Sc		et/Order No.
Code 05716 Facility Code			2003MAR17	te Hem 13)	
	THIS ITEM ONLY APPLI	IES TO AMENDMENTS OF S		IS	
offer submitted; or (c) By separate letter or a ACKNOWLEDGMENT TO BE RECEIVED SPECIFIED MAY RESULT IN REJECTIO may be made by telegram or letter, provided hour and date specified.  12. Accounting And Appropriation Data (If req ACRN: AF NET INCREASE: \$,00	O AT THE PLACE DESIGN OF YOUR OFFER. 16 to each telegram or letter ma	NATED FOR THE RECEIPT by virtue of this amendment you akes reference to the solicitation	OF OFFERS Plu desire to chang a and this amend	RIOR TO THE ge an offer alre- dment, and is re	HOUR AND DATE ady submitted, such change
13. THIS		FO MODIFICATIONS OF CO ract/Order No. As Described In		DERS	
A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10.			The C	hanges Set For	th In Item 14 Are Made In
B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The			ich as changes in	paying office,	appropriation data, etc.) Se
C. This Supplemental Agreement Is Ent	ered Into Pursuant To Aut	hority Of:			
D. Other (Specify type of modification a	nd authority)				
E. IMPORTANT: Contractor is not,					
14. Description Of Amendment/Modification (C					,
Except as provided herein, all terms and conditeffect.	ions of the document refer	16A. Name And Title	- 77.0	10/01/1	W
	11/6/13				SC. Date Signed
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE					50 (REV. 10-83)

Reference No. of Document Being Continued

MOD/AMD P00065

Page 2 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PIIN/SIIN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 44 EN12-06E.

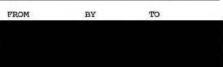
A-3 BY EXECUTION OF THIS MODIFICATION SLIN 0004AL LABOR DOLLARS ARE REALIGNED TO SLIN 0004AM (MATERIAL) IN THE AMOUNT OF LABOR HOURS ARE DECREASED BY SLIN 0004AM MATERIAL DOLLARS ARE IN INCREASED IN THE AMOUNT OF THE CHANGES ARE AS FOLLOWS.

SLIN 0004AL (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN



SLIN 0004AM (MATERIAL) DIRECT LABOR HOURS: DIR LABOR & BURDEN

MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS UNCHANGED AND REMAINS THE SAME.

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0066 \*\*\*

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00065

Page 3 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0004 FY12 OPTION PERIOD JLENS ENG SRVS Labor Material Total FY13 PCL COST GSA TCL COST (W/O COM COST FEE CPFF Hours Hours Hours Description Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Description ESTIMATED COST COST OF MONEY FIXED FEE CPFF COMPOSITE HOURLY RATE IS FOR (End of narrative B010) 0004AL FY12 OPTION ESM EN12-06 LO GENERIC NAME DESCRIPTION: #12738 SITE SELECTIO CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M2J721900 PRON AMD: 06 ACRN: AF Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 22-DEC-2013

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00065

Page 4 of 6

Name of Offerer or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0004AM FY12 OPTION ESM EN12-06 LO GENERIC NAME DESCRIPTION: #12738 SITE SELECTIO CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M2J721900 PRON AMD: 06 ACRN: AF Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance PERF COMPL REL CD DATE 001 22-DEC-2013

000756

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00065

Page 5 of 6

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/ ITEM GFEBS ATA STAT 0004AL 4M2J721900

OBLG JO NO/

ACCT ASSIGN 2 A.0000013.1.2 ACRN AF

PRIOR AMOUNT

INCREASE/ DECREASE

CUMULATIVE AMOUNT

0004AM 4M2J721900

2

A.0000013.1.2

AF

NET CHANGE

0.00

ACRN

ACCOUNTING CLASSIFICATION

021 201220132040

A5XFJ 172419E55FPDG

251C L032010465 A.0000013.1.2

INCREASE/ DECREASE 021001 \$ 0.00

NET CHANGE \$

0.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

AMOUNT

CUMULATIVE

OBLIG AMT

NET CHANGE FOR AWARD:

AF

35,042,935.00

0.00

35,042,935.00

LINE

0004AM

ITEM 0004AL

AF

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION 021 201220132040 021 201220132040

A5XFJ 172419E55FPDG A5XFJ 172419E55FPDG

251C L032010465 A.0000013.1.2 251C L032010465 A.0000013.1.2 021001

021001

000757

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD PODDES

Page 6 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda

Transmitted By

Attachment 0044 ENGINEERING SERVICES MEMORANDUM EN12-06 REV "E"

03-SEP-2013

005

EMAIL

RAYTHEON COMPANY

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

	U.S. ARMY	AVIATIO	ON AND	MISSILE	COMM	AND		EN12-	06E	
	RED	STONE	ARSENA	L, ALA	BAMA			DATE		
								8/30/2013		- College College
Site Sole	ection and Exercise	Planning				100	NTRACT NO	10-C-0003		
ESTIMATED O	COMPLETION DATE OF ESM	riammig					IST ACCOUNT			
9/3/201	2 - 12/22/2013 OF PROPOSED WORK									
Site Sele	ction									
represent for the CC governme	p to seven contract atives when conduct ONUS JLENS deplo ent in developing the	oting CONU syment bas site scree	JS site scre ed upon de aning plan a	enings. T fined crite and select	These scre eria. As pa ion criteria	enings art of this	will asses s effort R	aytheon will su	y of up to upport the	three site
information screening conditions with the in	he screening proce on available from Pu is to enable a sma s, external environm ntent of ruling seven that the screening of	iblic, DoD a il team to v nental facto al sites out	and other G visually observes ors (such as to arrive at	erve and of electromers a manage	nt (ex. FAA collect data agnetic sp reable quar	A, FCC) a on the ectrum, ntity for	resource location, airspace a future i	s. The purpos accessibility, restrictions, e nore detailed	se of the general s (tc.) and (	site soil other items
	VERNMENT FURNISHED EQU	IPMENT	DATER	EQUIRED	RETURN	DATE		CONDITION OF	FRETURN	
			1							The second second
To be spec	cified in Sub-ESMs as re	quired				-				
To be spec	DOCUMENTATION, HARDWAR	quired				,				
To be spec		quired								
To be spec	DOCUMENTATION, HARDWAR	quired  E. BENEFITS AN quired  THE FOLLO	D DELIVERY DAT	re.	RY INFORM	MATION		TED UNDER P.	L. 100-67	
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JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00065
ATTACHIMENT 0044
1 OF 5

**PAYTHEON COMPANY** 

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

				EN12-06D	
DESCRIPTION OF PROPOSED WORK (CON'T) Site Selection Cont'd					
Personnel required for the site s  Radar System engineer	to assess line of eer to assess net ansportation, acc aluate the site for uate commercial neer	f site and potent work infrastruct essibility and lo r flight suitability	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		dover, etc
Raytheon will participate with to cutput will be a site screening contract award. Planning will in	briefing and rep	ort. The expe	cted period of performance	will extend six m	onths from
Labor 3 site visits for 6 people: Prep/v3 Huntsville visits for 6 people: I Site Screening Briefing & Final I Team lead - Continuity and JPC  Material TCOM 3 site visits for 1 Person at 3 Huntsville visits for 1 Person a 5 Trips – 3 site visits; 3 Huntsvill DS Travel 6 People for 3 Site Visits; 6 People	Prep/visit/follow-L Report: Data con Diaison at per visit at per visit le visit	p at per ppilation/analysi for 6 month	s/report/briefing =		
ILESTONE PLAN (MEASURABLE TASKS ONLY) MILESTONE	START DATE	END DATE	MILESTONE	STARY DATE	END DATE

JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00065
ATTACHMENT 0044
2 OF 5

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

			ſ	EN12-06D	
DESCRIPTION OF PROPOSED WORK (CONT)  Exercise Planning					
Provide up to 4 full time equivale of the FTEs will be the Raythe depending on the planning stagnetwork integration, transportation planning, public impact assessment activities will vary in topic and of fiscal 2013. Planning will also	on exercise lea e and topic. P on, site integration ents, hardware detail as exerci-	ad and the primal anning will incloon & activation, subsystem selected planning ma	nary JPO counterpart. The ude such items as: site de- electromagnetic spectrum a ction (Orbit 1 or Orbit 2), etc tures. The period of perfor	o other three FTE velopment, comm nalysis, risk asses t. It is anticipated	s will va s plannin sment ar that the li
OP = Sept 2012 - Sept 2013.					
abor FTE x 13 months					
)S Travel					
AS Travel					
ASLabor					
	- I THE COMPANY		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
E STONE PLAN (MEASURABLE TASKS ONLY)				- Inniversity	
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE
		1			
			F		
			F		

RAYTHEON COMPANY

### **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

			EN12-06D	
DESCRIPTION OF BOUDDEST WORK (CONFT)				
Support an Integrated Fire Control	CIECY			
IFC event including coordination w	ors. Raytheon witt pro	wide mission planning support for th	ne .	
			<u>.</u>	
Test Readiness Review in Jo		ing and coordination meetings, and or in person as required by the		
Government.	. W. 1. G			
interface checkout and revie	ew, and perform analysi	perations (CONOPs) and support II	20	
the Government Furnished I	Equipment (GFE) messa	age translation system (with 111).		
Perform pre-mission analysi     the Raytheon	s including variations i	n reometry and mission timeline in		
(SIL) and provide support C	MDS SIL simulations.	JLENS System Integration Lab		
4. Perform analysis of ILENS				
5. Provide	with pro-mission -	esults in support of missile fly out		
Z. HOMAS	with pre-massion r	esons in support of massic my out		
6. Support Government genera				
Support Government live event.	uick look reports develo	opment for the walk up missions and	i	
8. Provide SME support during	g two walk up events an	nd the live fire event at UTTR		
BOE:	80			
• IDS Labor		W-		
• Infrastruc	ture (finance/quality)			
Travel				
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<u>.</u>		음 등 등		
MILESTONE PLAN (MEASURABLE TASKS ONLY)				
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## **ENGINEERING SERVICES MEMORANDUM**

				EN12-06D	
DESCRIPTION OF PROPOSED WORK (CONT)  CTE Participation (Mod C)  Prepare the Casper Site for the a  norminally  Systems must be functionally suf	4th through the	7th, with prepa	rations beginning on 28 May		etwork and
June 4 & 5th will be an integratio network. June 6 & 7th w network. Operators will be pe surveillance track coordinator pe	ill be with the C erforming acquis	ulminating Tra sition and track	ining Exercise (CTE) connecting of air objects_conrdinating		alle
Upon completion of these activition in the secutive states and an executive states are secutive states and a secutive states are secutive states and secutive states are securities are secutive states are securities a	es, return the s summary to inc	ystem to its "fly lude lessons le	able storage" configuration. amed, observations, and quit	Provide a mission ck-look / mini-test	report of report.
ravel					
Convert Materia     Convert Materia     Extends POP through Deassumes ESM Program Support  SSUMES ESM Program Support	I to Labor Houn ecember 22, 20	13	(post September 2013)		
MILESTONE	START DATE	ENDOATE II	MILESTONE	START DATE	END DATE
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JLENS CONTRACT MODIFICATION W31P4Q-10-C- MOD P00065 ATTACHMENT 0044 5 OF 5

2. Amendment/Modification No.	- per at -	11	Cost Plus	
	3. Effective Date	4. Requisition/Purchase Re	eq No.	5. Project No. (If applicable)
6. Issued By	DEC 0 5 2000	SEE SCHEDULE	and the term of	Code
ARMY CONTRACTING COMMAND-REDSTONE	Code W31P4Q	7. Administered By (If other	THE REPORT AND ADDRESS OF THE	Code S220
REDSTONE ARSENAL AL 35898-5280	9	DCMA RAYTHEON TEWN 50 APPLE HILL DRIV M/S T2FR2 TEWKSBURY NA 018	VE	
EMAIL:	ni) .		*	
8. Name And Address Of Contractor (No., Street	eet, City, County, State and	Zlp Code)	9A. Amendmen	nt Of Solicitation No.
RAYTHEON COMPANY 350 LOWELL ST	W. C.		DR Datas (See	Tion 11
ANDOVER, MA 01810-4400			9B. Dated (See	Item 11)
•	6	x	10A. Modifica	tion Of Contract/Order No.
			W31P4Q-10-C-	0003
and the same of th			10B. Dated (Se	e Item 13)
Code 05716 Facility Code			2003MAR17	
ĮĮ.	THIS ITEM ONLY APPLI	es to amendments of	SOLICITATION	S
The above numbered solicitation is amend	ded as set forth in Item 14. T	The hour and date specified fo	r receipt of Offer	3
SPECIFIED MAY RESULT IN REJECTIO may be made by telegram or letter, provided hour and date specified.  12. Accounting And Appropriation Data (1f req NO CHANGE TO GELIGATION DATA	i each telegram or letter ma			
13. THI		O MODIFICATIONS OF C		DERS
A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10.	nt To:	net/Order 140. As Described (	100000000000000000000000000000000000000	ranges Set Forth In Item 14 Are Made In
B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The	er 1s Modified To Reflect Th Authority of FAR 43.103(b).	ne Administrative Changes (s	uch as changes in	pnying office, appropriation data, etc.) Se
C. This Supplemental Agreement Is Ent	tered Into Pursuant To Auth	ority Of:		
D. Other (Specify type of modification n	and authority)			1100 37 30 30 70 30 30 30 30 30 30 30 30 30 30 30 30 30
E. IMPORTANT: Contractor [ is not,	is required to sign t	his document and return	col	pies to the Issuing Office.
4. Description Of Amendment/Modification (C	Organized by UCF section he	eadings, including solicitation	/contract subject	matter where feasible.)
SEE SECOND PAGE FOR DESCRIPTION				
SEE SECOND PAGE FOR DESCRIPTION				
SEE SECOND PAGE FOR DESCRIPTION	20 2			
SEE SECOND PAGE FOR DESCRIPTION	3			
SEE SECOND PAGE FOR DESCRIPTION	3			
xcept as provided herein, all terms and condit	ions of the document referen	nced in item 9A or 19A, as he	retofore clianged,	remains unchanged and in full force and
Except as provided herein, all terms and condit	ions of the document referen			
ixcept as provided herein, all terms and condit	ions of the document referen			remains unchanged and in full force and
Except an provided herein, all terms and condit ffect. 5A. Names A. (1714) O. O. (1714)				officer (Type or print)
SEE SECOND PAGE FOR DESCRIPTION  Except as provided herein, all terms and condit  flect.  5A. Name A. Crist. Of Cl	15C, Date Signed			
Except an provided herein, all terms and condit ffect. 5A. Names A. (1714) O. O. (1714)				officer (Type or print)

Redactions per (b)(6)

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 4

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00066

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S. Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 53

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING REVISED ENGINEERING SERVICE MEMORANDUM IS EXTENDED FROM 31 MARCH 2014 TO 30 SEPTEMBER 2014.

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT OBLIGATED AMOUNT REMAINS THE SAME.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0067 \*\*\*

000765

CONTINUATION SHEET

### Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00066

Page 3 of 4

ITEM NO	FOR OF CONTRACTOR: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS	A STANDARD TO THE			September 2 Project March
0006AA	FY14 ESM EN14-01 AEROSTAT TRANSPONDERS AND I		ro		\$
	*				
	GENERIC NAME DESCRIPTION: 14895 JLENS RAYTHEON				
	CLIN CONTRACT TYPE: Cost Plus Fixed Fee				1
	PRON: 4M3J714400 PRON AMD: 01 ACRN: AL				
	Inspection and Acceptance				
	INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance				1
	DLVR SCH PERF COMPL				
	REL CD QUANTITY DATE 001 30-SEP-2014				
	10.00 (A) 10.00 (A) 20.00 (A)				
	\$				
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0006AB	FY14 ESM EN-14-01 AEROSTAT TRANSPONDERS AND		ro		\$
	GENERIC NAME DESCRIPTION: 14895 JLENS RAYTHBON				
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	Cost Plus Fixed Fee PRON: 4M3J714400 PRON AMD: 01 ACRN: AL				
63	PRON: 4M30714400 PRON AMD: UI ACRN: AL				
	Inspection and Acceptance				
	INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance				
	DLVR SCH PERF COMPL REL CD QUANTITY DATE				
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CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD

MOD/AMD P00066

Page 4 of 4

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Number

Addenda Title Date of Pages Transmitted By

Attachment 0053 ENGINEERING SERVICES MEMORANDUM EN14-01 REV "A" 12-SEP-2013 002 EMAIL

ENGINE	RING SE	RVICES	<b>S MEMOF</b>	DESIGNATION OF THE STATE OF THE	FORM 5H-31-00-04
U.S. ARMY AVIAT	경우(경기) [16] [16] [16] [16] [16] [16] [16] [16]	경우를 통료되었다 (5명 이글로벌이 (2) 성하는	MAND	EN14-01	A
1997 - 1997 - 1997 - 1997 - 1997	ARSENAL, A	LABAMA		8/9/2013	
PROJECT TITLE Replacement of Aerostat Transponde Breakaway Tracking Hardware	rs and Integration	of Aerostat	W31P4Q-	-10-C-0003	
ESTIMATED COMPLETION DATE OF ESM 09/30/2014		***********	COST ACCOUN	ır	
<ul> <li>Provide design and fabrication         Engineering activities include to SDD contract and the system of Deflation Device (ARDD) is initially support the coordination, deliveretrofit of Existing units. Into Provide completion of a DD Formula Support management reviews</li> <li>Provide configuration management Additional technical guidance of 24 June 2013 (Submitted on 1)</li> </ul>	the replacement of integration of an a itialized. very, and integration tegration will not or orm 1494 (Applical of the aerostat bro- ment of the update can be found in No	f the idditional trans on of hardwar recur prior to retion for Equiper eakaway traces to the JLEF on-CDRL JLEF	sponder to initiate te to include all ex receiving approva ment Frequency king hardware eff NS technical data	deliver when the Autom existing platforms in all of frequency auto Allocation). fort.	red under the natic Rapid noluding the thorization.
GOVERNMENT FURNISHED EQUIPMENT	DATEREQUIRED	D RETURN		CONDITION OF RE	
To be specified in Sub-ESMs as required RESULTING DOCUMENTATION, HARDWARE, BENEFITS A To be specified in Sub-ESMs as required	IND DELIVERY DATE				
ESTIMATED COST *** THE FOLLO	OWING IS PROPRIE	ETARY INFOR	MATION PROTEC	TED UNDER P. L.	100-679 * * *
DIRECT LABOR HOURS	CHANGE	CHANGE	CHANGE	CHANGE	CHANGE
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ESM MONITORS Raytheor		CM	0S P.O.:		
CONCURRENCE SIGNATURES:		DATE		JECT OFFICE	DATE
Initial Issue					
REVISION "A"	11	1/19/13			11/20/13
REVISION *B*					
HEVISION 1C*					
REVISION					
REVISION "E"					
EXPLANATION OF REVISION: ev — Initial Issue ev A — Period of Performance extension t	to 30 September 20	14.			

**JLENS** 

CONTRACT MODIFICATION W31P4Q-10-C-0003 MOD P00066

ATTACHMENT 0053 1 OF 2 DEC 0 5 2013

1 OF 2

0007	ENGINI	EERING	SER	ICES MEN	ORANE	OUM FOR	M 6H-31-00-04
					ESM	NO. EN14-01A	
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	participate in Tech Procedures to inco	nical Interchar	nge meeting nergency tra	Support) to include te is, support First Artic ansponder capability	le Test, and up		
•	Raytheon Travel	CONTRACTOR IVIAL	agement		4		
		altimore (for 2	people): 2	Technical Interchang	ne Meetings. 1	meeting for Fir	st Article
		Trip to review			jo moomigo, i	mooning for the	
•	TCOM	MICH DR W	PARTONE AND		<u> </u>	×	
	o Complete design, i						
	irr transponder v			der. Replacement of Emergency Mode B		nder. Retrofit	to include
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ey M	lestone Dates						
•	TIM #1: November 6, 2013						
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JLENS
CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P00066
ATTACHMENT 0053
20F 2 DEC 0 5 2013

A. A. III CHAIRMAN I AND	2 Effective Date	ON OF CONTRAC	_	Cost Plus	5. Project N	a (If annile)	ble)	
2. Amendment/Medification No.	DEC 0 5 2013	SEE SCHEDUL			3, Project is	o. (ti appues	iolej	
6. Issued By	Code   W31P40	7. Administered By (If of	ther t	nan Item 6)		C	ode	5220
REDSTONE ARSENAL AL 35898-5280		DCMA RAYTHEON TE 50 APPLE HILL DR M/S TZYR2 TEWKSBURY MA 01	EIVE					
8. Name And Address Of Contractor (No., Street	et, City, County, State and	Zip Code)		9A. Amendme	nt Of Solicitati	on No.		
RAYTHEON COMPANY 350 LOWELL ST								
ANDOVER, MA 01810-6400	4		100	9B. Dated (See	Item II)			
		[2		IOA. Modifies	ion Of Contra	ct/Order No		
		-	-	W31P4Q-10-C-	E0003			
	A STATE OF THE PARTY OF THE PAR		100	IOB. Dated (Se	e ltem 13)			
Code 05716 Facility Code				2003MAR17				-
11.7	this item only appli	ES TO AMENDMENTS O	F SO	LICITATION	S	-		
may be made by telegram or letter, provided	each telegram or letter ma	kes reference to the solicits	tion	lesire to chung and this amend	ment, and is r	ceived prio	r to the o	hange penin
hour and date specified.	There are a pro-charge of the second state of	kes reference to the solicits	ition :	and this amend	ment, and is r	eceived prio	r to the o	hange penin
hour and date specified.  2. Accounting And Appropriation Data (If required to OBLIGATION DATA)  NO CHANGE TO OBLIGATION DATA	uired)	kes reference to the solicita	CON	TRACTS/ORI	ment, and is r	eceived prio	r to the o	hange
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A. This Change Order is issued Pursuan The Contract/Order No. In Item 10A  B. The Above Numbered Contract/Order Forth in Item 14, Pursuant To The A  C. This Supplemental Agreement is Enter  D. Other (Specify type of modification and Item 10A)  IMPORTANT: Contractor is not,  Description of Amendment/Modification (O)  SEE SECOND PAGE FOR DESCRIPTION  (copt as provided herein, all terms and combition)	ired)  ITEM ONLY APPLIES T It Modifies The Contro t To:  It Is Modified To Reflect Ti withority of FAR 43.103(b) red Into Pursuant To Auth id authority)  is required to sign t rganized by UCF section h	TO MODIFICATIONS OF act/Order No. As Described the Administrative Changes t	CON d in it	TRACTS/ORI em 14.  The Cl as changes in  contract subject	ment, and is r  DERS  Langes Set For paying office,  ples to the Issu matter where	th in item is supprepriate supp	t Are Ma	de tn

Redactions per (b)(6)

000770 CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00067

Page 2 of 3

PIIN/SIIN W31P4Q-10-C-0003

Name of Offerer or Contractor: RAYTHEON COMPANY SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 54 EN13-07 REV "A".

A-3 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS UNCHANGED AND REMAINS THE SAME.

A-4 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0068 \*\*\*

Reference No. of Document Being Continued

MOD/AMD P00067

Page 3 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0054

PHN/SHN W31P4Q-10-C-0003

Date

Number

Transmitted By

REV "A"

ENGINEERING SERVICE MEMORANDUM EXERCISE TRAINING EN13-07

12-SEP-2013

of Pages 002

BMAIL

RAYTHEON COMPANY 000772

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

							ESM NO.	
	U.S. A	RMY AVIAT	TION AND I	IISSILE CON	MAND		EN13-07A	
		REDSTON	E ARSENAL	, ALABAMA			DATE	
							September	12, 2013
PROJECT TITL		-	140		100	ONTRACT NO.		
EXERCISE	Training	DE FOM				31P4Q-10	-C-0003	
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CONTRACT MODIFICATION
W31P4Q-10-C-0003 MOD P0006
ATTACHMENT 0054
1 OF 2 DEC 0 5 2013

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000773 RAYTHEON COMPANY

TRACT MODIFICATION W31P4Q-10-C-0003 MOD P00067 ATTACHMENT 0054

### 2 OF 2 DEC 0 5 2013 **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

Redactions per (b)(4), (b)(3)(A)(i) and Title 10 Sec. 130 (a)(c)

#### DESCRIPTION OF PROPOSED WORK (CON'T)

The contractor shall provide support personnel to keep the JLENS system at Utah Test and Training Range (UTTR) site maintained for the conduct of training courses. The system shall be maintained with the Aerostat inflated and the tactical equipment kept up to date on Preventative Maintenance Checks and Services (PMCS) and configuration control. The contractor shall be responsible for the following activities:

- Maintain site infrastructure, team integrity and perform PMCS on the tactical hardware at UTTR site
- Maintain site material inventory, shipping and receiving, configuration management and Test Equipment (TE) functional and calibration schedule current
- Maintain log books and configuration management for tactical equipment at UTTR site
- Maintain access lists and classified inventory for UTTR site
- Maintain/monitor Environmental Health and Safety (EH&S) Compliance Calendar action items for UTTR site
- Maintain watch standers who will monitor the Mobile Mooring Station (MMS) and check the Power Control and Distribution System (PCDS) and perform other safety and security functions as part of the watch stander role
- Maintain minimum site personnel to perform platform maintenance and be able to help resolve emergency situations

Site support for October 2013 through December 2013 will be funded under SDD contract. ESM Site Support will Cover January 2014 through June 2014.

PMCM will be funded under PHS&T ESM for October 2013 through December 2013. Alternative funding beginning January 1, 2014 will be required for ESM PMPI and Infrastructure.

#### Cost and Hour Breakdown:

Provider	Task Title	Tasks	Cost (Hrs o SK@Sell)
RTSC	Training	Course Prep  - Formal Course Conduct of Training for Mission Operation/Mission Support/Mission director, System Administrator, PCDS Maintenance and Operation, CPG Maintenance and Operation, Aerostat Common Core Course, Aerostat Mechanical Maintenance, Aerostat Electrical Maintenance and Flight director - Structured On the Job Training (SOJT) and Computer Based Training (CBT)	
тсом	Training	Course Prep  - Formal Course Conduct of Training for Flight director, Common Course, Platform Electrical and Platform Mechanical	
RTSC	Training Support Materials	Training Material updates/conversion	
RTSC	Site Support	Site support for Training Operations leases, travel and cell services) Site support for 10/1/13-12/31/13 funded under SDD Extension.	
тсом	Site Support	Site support for Training Operations (includes travel) - operators and maintenance personnel. Site support for 10/1/13-12/31/13 funded under SDD Extension.	
DS	Site Support	Site support for Training Operations (+ travel) - FT Security, IT, Safety/QA, CPG SME, FCR SME Site support for 10/1/13-12/31/13 funded under SDD Extension. (Previous number had LOG Lead and FRACAS)	
Os	ROE	Repair of Equipment (excludes	
OS	Leed & FRACAS	LOG Lead and FRACAS Support	

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2. Amendment/Modification No. P00068	3, Effective Date 2013	4. Requisition/Purchase	-	No.	5. Project N	lo. (If applicable)
6. Issued By	Code W31P4Q	7. Administered By (If	other	than Item 6)		Code S220
REDSTONE ARSENAL AL 35898-5280		DCMA RAYTHBON 1 50 APPLE HILL I M/S T2FR2 TEWKSBURY MA	DRIVE	i.		
8. Name And Address Of Contractor (No., S	treet, City, County, State and	Zip Code)		9A. Amendmen	nt Of Solicitat	ion No.
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ANDOVER, MA 01810-4400				The same of the sa		AND THE PROPERTY OF THE PARTY O
10			х	10A. Modifica	tion Of Contr	act/Order No.
*	*			W31P4Q-10-C-	-0003	
				10B. Dated (Se	e Item 13)	
Code 05716 Facility Code			V12321042	2003MAR17	2	
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2. Accounting And Appropriation Data (If NO CHANGE TO OBLIGATION DATA  13. T	HIS ITEM ONLY APPLIES				DERS	
A. This Change Order is Issued Purs	uant To:	ract/Order No. As Describ	oed In	U. L. Santa Land Street Co.	hanges Set Fo	rth In Item 14 Are Made In
B. The Above Numbered Contract/O Forth In Item 14, Pursuant To Ti	rder Is Modified To Reflect T		es (su	ich as changes in	paying office	, appropriation data, etc.) S
C. This Supplemental Agreement Is J		8 WT 8550				
D. Other (Specify type of modificatio	n and authority)					
C. IMPORTANT: Contractor is n	ot, 🖳 is required to sign	this document and return	ı	co	pies to the Iss	ouing Office.
4. Description Of Amendment/Modification	ı (Organized by UCF section l	headings, including solicit	ation	contract subject	matter where	e feasible.)
SEE SECOND PAGE FOR DESCRIPTION				No.		
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	141					
xcept as provided herein, all terms and con	ditions of the document refer	enced in item 9A or 10A,	as her	etofore changed	l, remains unc	hanged and in full force and
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	15C. Date Signed	i i				C. Date Signed
	12/20/13					2/20/1
(Signature of person authorized to sig ISN 7540-01-152-8070	<u>n)                                    </u>					0 (REV. 10-83)
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#### CONTINUATION SHEET

#### Reference No. of Document Being Continued

Page 2 of 3

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00068

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING GFP ATTACHMENTS ARE INCORPORATED INTO SECTION J OF THIS MODIFICATION.

A-3 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS UNCHANGED AND REMAINS THE SAME.

A-4 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF MARRATIVE A0070 \*\*\*

000776

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00068

Page 3 of 3

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of	40			3.41	Number	
Addenda		Title		Date	of Pages	Transmitted By
Attachment 0057	ORBIT 1 DD250			13-DEC-2013	052	EMAIL
Attachment 0058	ORBIT 2 DD250		4	13-DEC-2013	008	EMAIL

JLENS
CONTRACT: W31P4Q-10-C-0003
MODIFICATION P00068
ATTACHMENT P00058
R PAGES

	MATERIAL INSPECTION AND RECEIVING REPORT							Form Approved OMB No. 0704-0248	
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PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES.

SEND THIS FORM IN ACCORDANCE WITH THE INSTRUCTIONS CONTAINED IN THE DPARS, APPENDIX F-401. SHIPMENT NO. DATE SHIPPED PROC INSTRUMENT IDEN. (CONTRACT) (ORDER) NO. ANDUO002 2013DEC31E DASG60-98-C-0001 STOCK/PART NO. DESCRIPTION ITEM QUANTITY UNIT UNIT PRICE AMOUNT (Indicate number of shipping containers - type of NO. SHIP/REC'D container - container number.) Attachment (4): UID List; Attachment (5): Orbit #2 Minor Non-conformances; Attachment (6): Orbit #2 Hardware Readiness As Maintained - Major End Item Inventory List. Attachment (7): Ship In Place Acknowledgement Total Value: 0.00

### ATTACHMENTS FOR DD250 FORM, JLENS ORBIT 2

Copies of the following attachments which are common to both JLENS Orbits are filed with the DD250 Form for JLENS Orbit 1:

- Attachment 2: SDD Spares List
- Attachment 3: Ancillary Equipment
- Attachment 4: UID List
- Attachment 7: Ship in Place Confirmation

# Orbit 2 Non-Conformances Closed After 6 Dec (1 of 2)

NC	Title / Description	Comments	Closure Outlook
9945		Replacement is at Site	13 Dec
10807		Replacement is at TCOM	13 Dec
10685		Replacement is at TCOM	13 Dec
9111		Replacement Parts are at TCOM	20 Dec
11505		Replacement Due 1 Feb	8 Feb
11345		Replacement Due 1 Feb	14 Feb
11265 E		Replacement Due 1 Mar	7 Mar
10065			
10812			
9189			TBD
10425			TBD
10525			TBD

ATCH!

# Orbit 2 Non-Conformances Closed After 6 Dec (2 of 2)

NC	Title / Description	Comments	Closure Outlook
10814			TBD
11526			TBD

8705	E-CITY	2	OPEN	PCDS	
6847	CASPER	2	OPEN	Platform	
6850	-CASPER-	2	OPEN	Platform	
5727	-CASPER	2	OPEN	Platform	
5758	-CASPER-	2	OPEN	Platform	
5686	CASPER	2	OPEN	Platform	
5112	-CASPER-	2	OPEN	PCDS	
5466	CASPER	2	OPEN	FCR	
8707	E-CITY	2	OPEN	PCDS	
10686	CASPER	2	OPEN	Platform	
8274	CASPER	2	OPEN	PCDS	
9013	-CASPER-	2	OPEN	PCDS	
8708	E-CITY	2	OPEN	PCDS	
6926	CASPER-	2	OPEN	SUR	
7405	«CASPER»	2	OPEN	Platform	
9726	CASPER	2	OPEN	CPG	
5408	CASPER	2	OPEN	FCR	
5394	-CASPER-	2	OPEN	CPG	
9015	CASPER	2	OPEN	PCDS	
10905	CASPER	2	OPEN	CPG	
10691	CASPER	2	OPEN	Platform	
11466	CASPER	2	OPEN	CPG	
10811	E-CITY	2	OPEN	Platform	
10865	E-CITY	2	OPEN	Platform	
5149	CASPER	2	OPEN	PCDS	
10926	-CASPER-	2	OPEN	CPG	

ATCH 5 Orbit 2 MINOR NON-CONFORMENCES

	Major 6	End Items for DD25	0 - Orbit #2	
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Redactions per (b)(6)

JLENS CONTRACT: W31P4Q-10-C-0003 MODIFICATION P00068 ATTACHMENT P00057 52 PAGES

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PAGE 2 Form Approved 2 MATERIAL INSPECTION AND RECEIVING REPORT - CONTINUATION SHEET OMB No. 0704-0248 Public reporting burden for this collection of information is estimated to everage 3D minutes per response, including the time for reviewing extenting data sources, gathering and maintaining the data needed, and considering and reviewing the collection of information. Send comments regarding this burden estimate or any other sepect of this cortection of information, including suggestions for reducing this burden, to Department of Delenies, Washington Headqueries Services, Directorate for Information Operations and Reports, 1215 Johnson Davie Highway, Sure 1204, Allington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0246), Washington OC 20039.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES.

SEND THIS FORM IN ACCORDANCE WITH THE INSTRUCTIONS CONTAINED IN THE DEARS, APPENDIX F-401.

SHIPMENT NO. DATE SHIPPED PROC INSTRUMENT IDEN. (CONTRACT) (ORDER) NO. INVOICE NO. INVOICE NO. DASG60-98-C-0001 STOCK/PART NO. DESCRIPTION ITEM QUANTITY (Indicate number of shipping containers - type of container - container number.) UNIT UNIT PRICE AMOUNT NO. SHIP/REC'D Attachment (4): UID List; Attachment (5): Orbit #1 Minor Non-conformances; Attachment (6): Orbit #1 Hardware Readiness As Maintained - Major End Item Inventory List. Attachment (7): Ship In Place Acknowledgement Total Value: 0.00

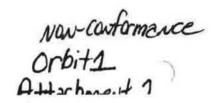
DD Forms 250C, NOV 92 (EG)

Previous edition may be used.

Designed using Perform Pro, WHS/DICR, Nov 95

## Orbit 1 Non-Conformances Closed After 6 Dec; (1 of 2)

NC	Title / Description	Status / Comments	Closure Outlook
9346	Sus SDP Engineering Cable	Replacement Cable and Tray are at Site	13 Dec
9347	FCS SDP Engineering Cable	Replacement Cable and Tray are at Site	13 Dec
11245	Replace Level Wind Assy Bracket SuS	Replacement Due 3 Jan	10 Jan
11085	Platform Shock Absorber - SuS	Replacement Due 15 Jan	20 Jan
11125	Platform Shock Absorber FCS	Replacement Due 15 Jan	20 Jan
11026	GPFU Status Indicator - SuS Platform	Plan to Replace Filter Assy – Assy Due 15 Jan	20 Jan
10906	GPFU Status Indicator - FCS Platform	Plan to Replace Filter Assy – Assy Due 15 Jan	20 Jan
1110	TCOM Packaging Items	Awaiting 1 Remaining Item. Due 23 Jan	31 Jan
10907	Damaged Platform Cable	Replace Patched Cable with new cable - Due 31 Jan	7 Feb
7708	Worn Spring-line Link Plate	Replacement Plate Due 1 Feb	15 Feb
7710	Worn Spring-line Link Plate	Replacement Plate Due 1 Feb	15 Feb
11145	GPFU Status Indicator - SuS ECS	Plan to Replace Filter Assy – Assy Due 7 March	14 Mar
1739	Replace Engineering IFF Cable - FCS	Replacement Cable is at Site. Plan to Install after Deflation.	Q2 '14
5065	Replace MIDS Radio - FCS	Replacement Radio is at Site. Plan to install after Deflation.	Q2 '14
7045	Replace Engineering Cable - FCS	Replacement Cable is at Site. Plan to install after Deflation.	Q2 '14
5625	Replace Patched Coolant Hoses - FCS	Replacement Hoses are at Site. Plan to install after Deflation.	Q2 '14



# Orbit 1 Non-Conformances Closed After 6 Dec: (2 of 2)

NC	Title / Description	Status / Comments	Closure Outlook
8485	Replace Tactical Media Converter FCS	Replacement Converter is at Site. Plan to install after Deflation.	Q2 '14
8045	Replace Faulty Elevation Drive Heater -	Replacement Heater is at Site. Plan to install after Deflation.	Q2 '14
8887	Replace Missing (1 of 4) MPDU Screw -	Replacement Screw is at Site. Plan to install after Deflation.	Q2 '14
11485	Replace Missing (3 of 73) Fasteners on SuR Component	Recommend Change to Minor. Plan to install after Deflation.	Q2 '14
7506	MMS Water Intrusion - FCS	Plan to Apply Sealant to Leaking Areas – Potential Weather Issues. Plan to do after Deflation.	Q2 '14
10225	AMA Stow Lock Switch Not Functional -	Replacement Switch is at Site. Plan to install after Deflation.	Q2 '14
9805	Damaged AEU Door Gasket - FCS	Replacement Gasket is at Site. Plan to install after Deflation.	Q2 '14
11045	Replace Degraded	Replacement are at Site. Plan to install after Deflation.	Q2 '14
7505	MMS Water Intrusion - Sus	Plan to Apply Sealant to Leaking Areas – Potential Weather Issues. Plan to do after Deflation.	Q2 '14

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Cre 9001	100		SOCKIANTY CORECUI MOSE MAN SOLICE	Raceived			
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Uni senoc merchinoscopocan		100	MAIN CROSSTER REAKER DRAWER MCC 600 A 3 oh	Secretoria			
EHT3KUPS-2E8P110V2211	100	100	MCC UPS w/ extended battery back	Receiven			
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	H11-364	100	Main & Stery Disconnect Switter (MFG PN HU-364)	Received			
	-	10	Ups Battery	Received			
SLN011555-554	da	100	5KV, 1604 CONTACTOR, 125VDC COIL VOLT MECH LATCHED CONTACTOR	Received			
SACI PAB2	100	100	SPECTRA CIRCUIT BREAKER AUX, CONTACT 2 FORM C GE	Received			
W528	150	100	Filter Drift	Receiver			
\$1001	500	900	TRANSFIEMER	Receilife			
86:33	100	100	Condering Fan Motor 1 Hp 1.	Receifed			
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50二基	30	300	Evapor er Fan Motor 1.5 Hp	Recompd			
000		100	Heater	Recelled			
19121		i i	CURRENT TRANSFORMER 150/5A (12)	Received			
550 106-7			BREAVER 1 POLE 6A 220VDC, SIEDAENS	Recomed			
50年110-7	100	-	BREAKSR 1 POLE 10A 220VDC, STEMENS	Recolled			
5.80 116.7		100	BREAKER 1 POLE 16A 220VDC, SIBAENS	Received			
178 204		238	(Industry Chip) Evaporator Cost	Recuilled			
BE 401	65	100	CURRENT TRANSFORMER 400-SA WITH TERMINALS	Received			
20E501	10	100	CURRENT TRANSFORMER SODISA WITH TERMINALS	Recorded			
678:01	10		CLUBBELT TRANSFORMER GOLESA WITH TERMINIALS	Receiled			
SGNDM1	750		MOTOR OPERATED MECHANISM BREAKER \$5600	Received	,		
VA-D2006666	600	200	DC-DC CONVEKTER MOULE 150/DC IN, 24/DC OUT	Received			
1K-958-01			CHINCHOGH CONTROLLER AND MEMORY, ALEN BRADEN 756-167 (PM.	Reconsed	,		
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	34		ARE	56/19			
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18800806		類	MAGGIN, CONTROLLER, 4MB MEMORY, ALLEN BRADLEY 1756	M Necessaria			
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G781284		15	AT THE POWER	Received			
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G781240-3			INSRN AND HORN	Received			
G781285-8			CAPACITOR ASSEMBLY	Received			
H406570-		19/36	- SEEL-KINNY MOORE	Received			
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2	ISO CONTAINER	SuR
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2	ISO CONTAINER			SuR
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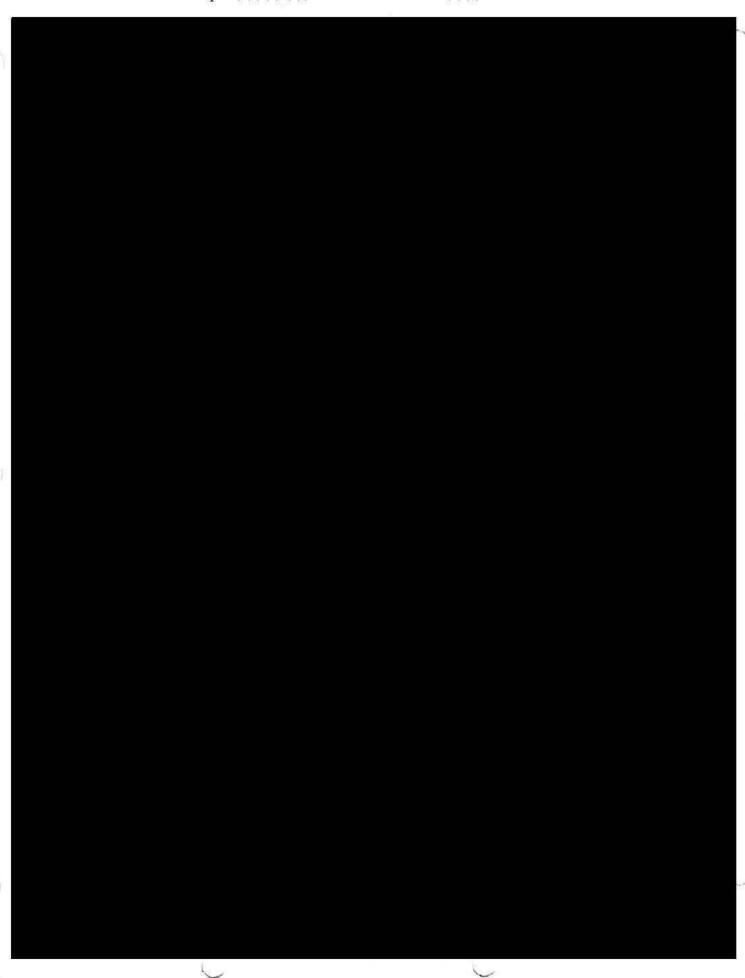
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1	TBD
1	SuR (Spares)
1	SuR
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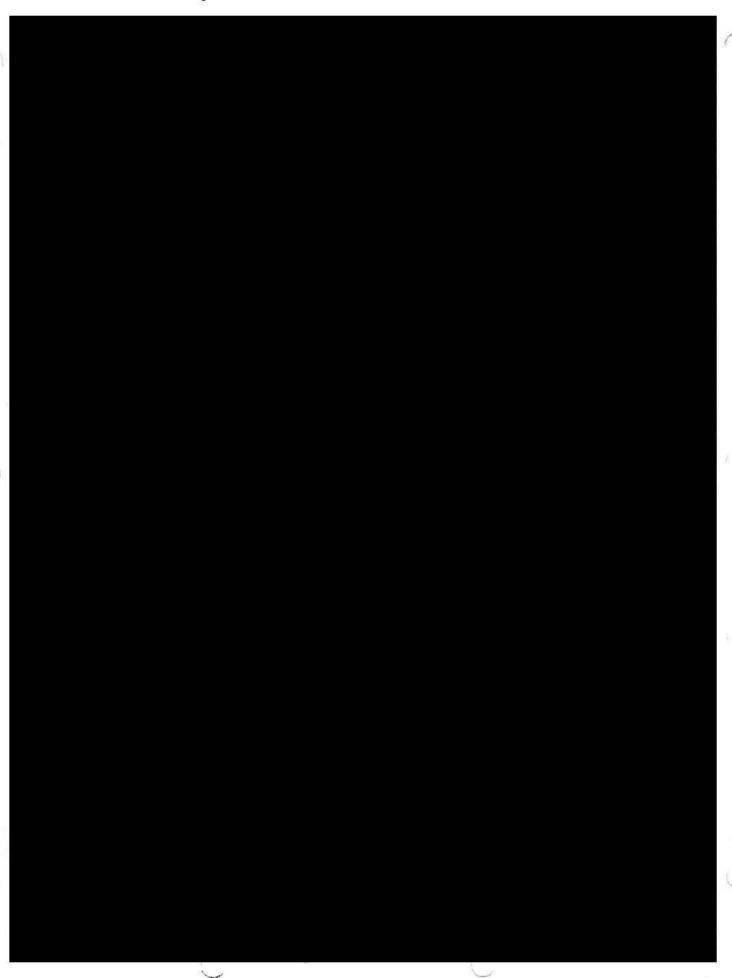
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UD 6151

Redactions per (b)(3)

000832

UID Marking	Qty Per Cl	
CPG / ECS	144	
FCR	310	
Platform	233	
Comm Payload	13	
PCDS	104	
Total	804	

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2466	1	OPEN	PCDS	
1883	1	OPEN	CPG	
1667	1	OPEN	CPG	
2009	1	OPEN	PCDS	
1047	1	OPEN	PCDS	
126	1	OPEN	CPG	
1818	1	OPEN	CPG	
1112	1	OPEN	Platform	
3016	1	OPEN	Platform	
3985	1	OPEN	CPG	
1005	1	OPEN	CPG	1
1018	1	OPEN	FCR	
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1108	1	OPEN	Platform	-
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4846 6512	1	OPEN	CPG	-
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5465	1	OPEN OPEN	FCR	-
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8126	1	OPEN	PCDS	-
8252	1	OPEN	CPG	-
8125	1	OPEN	PCDS	
8253	î	OPEN	CPG	
8829	1	OPEN	PCDS	
7825	1	OPEN	Platform	
1775	1	OPEN	CPG	
1782	1	OPEN	CPG	
1790	1	OPEN	CPG	
3542	1	OPEN	CPG	
8687	1	OPEN	SUR	
9068	1	OPEN	FCR	
9425	1	OPEN	PCDS	
9445	1	OPEN	PCDS	
9446	1	OPEN	PCDS	
6770	1	OPEN	Platform	
10891	1	OPEN	CPG	-
1726	1	OPEN	FCR	
10285	1	OPEN	CPG	
11445	1	OPEN	FCR	
11465	1	OPEN	CPG	
9025	1	OPEN	PCDS	
10665	1	OPEN	FCR	
9687 10985	1	OPEN	PCDS	
11056		OPEN	SUR	
11525	1	OPEN	PCDS	
11046	1	OPEN	Other	
10965	1	OPEN	CPG	
9067	1	OPEN	Other FCR	
11405	1	OPEN OPEN	CPG	
11065	1	OPEN	PCDS	
1953	1	OPEN	CPG	
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ATCHS Brbt 1 MINOR NOW-CONFORMERO

## Major End Items for DD250 - Orbit #1

FCS Hardware Configuration and Status at UTTR (As Designed vs As Maintained)

Part Number Description Serial Number As DES DWG Rev 6c MAINT DMG Description

SuS Hardware Configuration and Status at UTTR (As Designed vs As Maintained)

Part Number Description Serial Number As DES DWG Rev As MAINT DWG Rev

ATCH 6 MULLOT



DD-250 - Ship in Place - Block #13

12/17/2013 09:08 AM

As discussed yesterday afternoon, due to DD-250 system limitations, Raytheon is unable to state, "ship in place" in block #13. As stated in the DD-250 plan, shipping will be completed in place at UTTR and E-City (where the HW resides as of DD-250).

Please let me know if you have any additional questions.

Thank you,

Baytheon Company Integrated Defense Systems

ATCH 7 Ship IN Place MEMO

	ATION/MODIFICATI	on or consider	Cost Plus P	ixed Fee	
2. Amendment/Modification No. P00069	3. Effective Date OEC 2 0 2013	4. Requisition/Purchase Req		5. Project No. (If applicable	)
6. Issued By	Code W31P4Q	7. Administered By (If other	than Item 6)	Code	822015
ARMY CONTRACTING COMMAND-REDSTO	ONE	DCMA RAYTHEON TENKS	BURY		
DECEMBER OF THE PROPERTY OF TH		50 APPLE HILL DRIVE			
REDSTONE ARSENAL AL 35898-5280		M/S T2FR2 TEWKSBURY MA 01876-	-1198		
	*				
		1			
MAIL:  Name And Address Of Contractor (No.	Street City County State and	Zin Code)	0.4 Amendmer	at Of Solicitation No.	
2012/2017	, Sireet, City, County, State and	Zip code,	ZAL AMEJUNKI	it Of Solicitation 110.	
RAYTHEON COMPANY 350 LOWELL ST					
ANDOVER, MA 01810 4400			9B. Dated (See	Hem [1]	
		×	10A. Modificat	ion Of Contract/Order No.	
			W31P4Q-10-C-	100000	
Code 05716 Facility Code			10B. Dated (Se 2003MAR17	e item 13)	
Tacing Code	DIRECTORY CONTROL STUDIES CONTROL SERVE	ES TO AMENDMENTS OF SO		2	
The above numbered solicitation is a	The property of the property of the party of			Service Service Service Service	
				IOR TO THE HOUR AND I e an offer already submitted, ment, and is received prior to	such chang
may be made by telegram or letter, pro- hour and date specified.  Accounting And Appropriation Data (	vided each telegram or letter ma (frequired)			e an offer already submitted,	such chang
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### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00069

Page 2 of 7

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 55 EN13-11 REV "A".

A-3 BY EXECUTION OF THIS MODIFICATION LABOR HOURS UNDER SLIN 0006AG AND MATERIAL UNDER SLIN 0006AH ARE INCREASED AS FOLLOWS.

SLIN 0006AG (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



SLIN 0006AH (MATERIAL) FROM DIRECT LABOR HOURS:

DIR LABOR & BURDEN

MATERIAL

|-4 AS A RESULT OF THIS MODIFICATION THE AVAILABLE CEILING IN THE AMOUNT OF CLIN 0006 AS FOLLOWS IN SECTION B OF THIS CONTRACT.

AND THE HOURS ARE REALLOCATED FROM CLIN 0005 TO

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS INCREASED IN THE AMOUNT OF \$2,422,332 FROM \$35,919.451 TO \$38,341,783.00.

A-6 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL PORCE EFFECT.

\*\*\* END OF NARRATIVE A0069 \*\*\*

CONTINUATION SHEET

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00069

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0005 FY13 OPTION PERIOD JLENS ENG SRVS Labor Material PCL COST TCL COST (W/O COM COST OF MONEY FEE CPFF Description Hours Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Description Material Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FEE COMPOSITE HOURLY RATE IS FOR (End of narrative B013) 0006 FY14 OPTION PERIOD JLENS ENG SRVS FY14 PCL COST G&A TCL COST (W/O COST OF MONEY CPFF Hours Hours Description PM/CM ENGINEERING

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00069

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Material Exercised Remaining Description ESTIMATED COST COST OF MONEY PIXED PEE CPFF (End of narrative B005) 0006AG MAINTENANCE & P,H,S,&T SERVICE REQUESTED: #15956 PHS&T ESM CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J710100 PRON AMD: 01 ACRN: AQ Estimated Cost COM Fixed Fee Total Description EN13-11 "A" Labor COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance ACCEPTANCE: Destination INSPECTION: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 30-JUN-2014 001

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00069

Page 5 of 7

Name of Offerer or Contractor: RAYTHEON COMPANY UNIT PRICE ITEM NO SUPPLIES/SERVICES QUANTITY UNIT AMOUNT 0006AH MAINTENANCE & P.H.S.&T LO SERVICE REQUESTED: #15956 PHS&T ESM CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J710100 PRON AMD: 01 ACRN: AQ FROM SLIN 0006AH DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL Estimated Cost Fixed Fee Total (End of narrative B001) Inspection and Acceptance ACCEPTANCE: Destination INSPECTION: Destination Deliveries or Performance PERF COMPL DLVR SCH REL CD DATE 001 30-JUN-2014

Redaction	ns per (b)(6)						
	LICITATION/MODIFICAT	ION OF CONTRA	ACT	1. Contract		Page 1 Of	7
2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purcha				No. (If applicable)	
P00070	FEB 2 4 2014	SEE SCHED	ur n				
6. Issued By	Code   W31940	7. Administered By (I		than Item 6)		Code	\$22057
ARMY CONTRACTING COMMAND		DCMA RAYTHEON	TEWKS	BURY			
	*	50 APPLE HILL	DRIVE				
REDSTONE ARSENAL AL 3589	8-5280	M/S TZFRZ TEWKSBURY MA	01076	1100			
		IEWKSBOKI MA	OTOVO	-1170			
	119			, A.			
8 Name And Address Of Contract	tor (No., Street, City, County, State and	Zin Code)		9A. Amendme	nt Of Solicitat	ion No	
RAYTHBON COMPANY	tor (110., Street, City, County, State and	Zip Code)	$\Box$	27x. Amendine	nt Or Souchas	1011110.	
350 LOWELL ST					******		
ANDOVER, MA 01810-4400				9B. Dated (See	ttem 11)		
	8	1	Х	10A. Modifica	tion Of Contr	act/Order No.	
		-		W31P40-10-C	-0003		
	47			10B. Dated (Se			-
Code 05716 Facili	ty Code			2003MAR17			
	11. THIS ITEM ONLY APPL	IES TO AMENDMENTS	OFS	OLICITATION	S		
SPECIFIED MAY RESULT IN may be made by telegram or let hour and date specified.  12. Accounting And Appropriation ACRN: AR NET INCREASE: \$	13. THIS ITEM ONLY APPLIES It Modifies The Contracted Pursuant To:	by virtue of this amendme akes reference to the solid	ent you	desire to chang and this amend NTRACTS/ORI Item 14,	ge an offer alredment, and is a	eady submitted, suc	ch change ne opening
The Contract/Order No	o. In Item 10A.						
	ontract/Order Is Modified To Reflect T nant To The Authority of FAR 43.103(b)		ges (su	ch as changes in	paying office,	, appropriation dat	a, etc.) Set
C. This Supplemental Agre	ement Is Entered Into Pursuant To Aut	hority Of:					
D. Other (Specify type of m	odification and authority)						
E. IMPORTANT: Contractor	is not, is required to sign	this document and return	n	co	pies to the Iss	uing Office.	
14. Description Of Amendment/M	odification (Organized by UCF section b	headings, including solicit	tation/e	ontract subject	matter where	feasible.)	
ann anas	a a						
SEE SECOND PAGE FOR DESCRI	RIPTION						
				14.0			
Except as provided herein all torre	es and conditions of the document refere	enced in item 9A or 10A	as here	tofore changed	remains uncl	hanged and in full (	force and
effect.				a changed	,		
5B. Contractor/Offer	15C. Page Signed					16C. Date S	Signed
(Signature of person author.	zed to SIGD					2/24	114
ISN 7540-01-152-8070		30				1 30 (REV.	10-83)
REVIOUS EDITIONS UNUSAB	LE					FAR (48 CF	H152-0159-018-0

Redactions per (b)(4), (b)(6)

## CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00070

Page 2 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

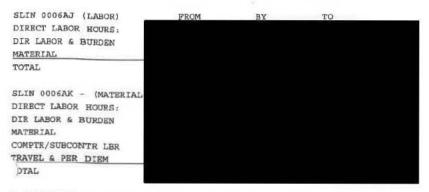
Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICES MEMORANDUM IS INCORPORATED IN SECTION J AS ATTACHMENT 0059 ESM EN14-001.

A-3 BY EXECUTION OF THIS MODIFICATION 390 LABOR HOURS UNDER SLIN 0006AJ AND MATERIAL UNDER SLIN 0006AK ARE INCREASED AS FOLLOWS:



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS INCREASED IN THE AMOUNT OF \$159,360 FROM \$38,341,783.00 TO \$39,501,143.00

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0071 \*\*\*

Redactions per (b)(4), (b)(6)

000845 CONTINUATION SHEET

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00070

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0003 Services - Priced PY11 LABOR MATERIAL TOTAL PCL COST G&A TCL COST (W/O COM) COST OF MONEY FEE CPFF MATERIAL MATERIAL DESCRIPTION MATERIAL EXERCISED REMAINING ESTIMATED COST COST OF MONEY FIXED FEE CPFF EXERCISED PM/CM ENG PA/TEST LOG TOTAL (End of narrative B005) 0006 FY14 OPTION PERIOD JLENS ENG SRVS Labor Material Total FY14 PCL COST G&A TCL COST (W/O C COST OF MONEY FEE CPFF Hours Hours Description Hours Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Description Material Exercised Remaining ESTIMATED COST

Redactions per (b)(4), (b)(6), (b)(3)(A)(i) and Title 10 Sec.130 (a)(c)

000846 CONTINUATION SHEET Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00070

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT COST OF MONEY FIXED FEE CPFF (End of narrative AGC1) 0006AJ ESM EN14-001 1 LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: CLIN CONTRACT TYPE Cost Plus Fixed Fee PRON: 4M4NF50000 PRON AMD: 01 ACRN: AR SLIN 0006AJ HOURS LABOR & BURDEN MATERIAL TOTAL Estimated Cost: COM: Fixed Fee: Total: Description ESM Hours EN14-001 Labor COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance PERF COMPL DLVR SCH REL CD QUANTITY DATE 30-APR-2014 0006AK ESM EN14-001 Estimated Cost Fixed Fee Not to Exceed (Funding)

U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA							EN14-00 DATE 26 Januar		
SOURCE WILE						ľ		-10-C-0003	
30 April 2014 ESCRIPTION OF PROPOSED WO							OST ACCOUN	•	
Provide Engineering exercises using the Operations (MO) soft a. Maintain existing b. Support meeting. Support Technical Huntsville AL. This task supports on activities (integration, management Support Material includes HW	ware at the ng hardwar ngs, integra ical Interch or Washing to software s	re and settion, an lange M	d operation eetings (Til one Ray ent, mainte	during of the during of the during the durin	integration exercise p DS engine release, tr	n, oper lanning ser and ravel);	ator chec Location	kout, and event one may include:	St. Louis MO,
(Continued)	ladaelhai ah		DATE REQ	UMED T	RETURN	DAYE	-	CONOTION OF	ETURN
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RAYTHEON COMPANY

FORM 5H-31-00-04

000848

# Redactions per (b)(4), (b)(3)(A)(i) and Title 10 Sec.130 (a)(c), (b)(3) **ENGINEERING SERVICES MEMORANDUM**

				EN14-001	
CRIPTION OF PROPOSED WORK (CON'T)					
he ESM scope provided here	ein is provided to	the Govern	ment under a Level of Effort ba	asis	
Assumptions:			1.		
1) Raytheon provides two-	person support		Samuel Acadima		
Event includes  2) Govt (JPO) to provide provi	integration a		formal testing at		
3) No capability enhancem	ents planned for F	Y14. Rayth	eon will provide a maintenance	release of	
and Mission Operations 4) 3-month Period of Perfo	SW to incorporate	e applicable rement reno	SW updates. orting (February - April 2014 only	4	72
	item		ALL DESCRIPTION OF THE PROPERTY OF THE PROPERT	or (hrs) Gos	
		Software	e Updates		
Maintenance release of	and MO	- Section of	10.		
- Prepare release, QA review,	delivery/install at	THE RESERVE OF THE PERSON NAMED IN	ression testing		
	The same of the sa	DESCRIPTION OF THE PERSON NAMED IN	Support - IDS	2000	
lardware and Software License	Maintenance (Mat	terial)	- Control of the Cont		
dission Profile Development &	Technical Interchar	ige Meetings			
ntegration Week Labor		2300			
vent Week Labor -					
echnical Oversight, Finance &	Subcontract Manag	gement (			
Travel: Technical Meetings,	Integration and Te	st Events (O	DC)		
And the state of t		and the second	IDS Labor Subtotal:	100	
	Test Event	Support - So	olipsys (Subcontractor)		THE CO.
O Regression Testing @					
tegration Week Labor					
vent Week Labor					
nance / PM					
Technical Meet	ings, Integration an	d Test Event	ts		9
	0, 0,		Subcontractor) Subtotal:		
	福生农村业门的		Grand Total:	100 755	3
	COUNTY SEE	TO SHIP COLUMN TO SHIP	The same	DaFar	
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DAT
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AMENDMENT OF SOLICITA	TION/MODIFICATI	ON OF CONTRACT	ACT 1. Contract ID Code   Page 1			
2. Amendment/Modification No.	3. Effective Date FEB 2 7 2014	4. Requisition/Purchase Reputation/Purchase Reputation/Pur			o. (If applicable)	
. Issued By	Code W31P4Q	7. Administered By (If other	than Item 6)		Code S2205A	
ARMY CONTRACTING COMMAND-REDSTON	E	DCMA RAYTHEON TEWKS	BURY			
		50 APPLE HILL DRIVE	3			
REDSTONE ARSENAL AL 35898-5280		M/S T2FR2				
		TEWKSBURY MA 01876	-1198			
	_					
Name And Address Of Contractor (No., S	treet, City, County, State and	Zip Code)	9A. Amendme	ent Of Solicitati	on No.	
RAYTHEON COMPANY		_				
350 LOWELL ST			9B. Dated (Se	e Item 11)		
ANDOVER, MA 01810 4400						
		x	10A. Modifica	tion Of Contra	ct/Order No.	
			W31P4Q-10-C	-0003		
			10B. Dated (S	CARROLL ST.		
ode 05716 Facility Code			2003MAR17			
	1. THIS ITEM ONLY APPLI	ES TO AMENDMENTS OF S	OLICITATION	NS		
The above numbered solicitation is ame						
is extended. is not extended		done and agree openined to			7	
hour and date specified.  Accounting And Appropriation Data (If a NO CHANGE TO OBLIGATION DATA	required).					
13. Ti		TO MODIFICATIONS OF CO		DERS	and but the state of the state	
A. This Change Order is Issued Purs The Contract/Order No. In Item	10A.		ALT CHICAGO		th In Item 14 Are Made In	
B. The Above Numbered Contract/O Forth In Item 14, Pursuant To Ti			ich as changes ir	prying office,	appropriation data, etc.) Set	
C. This Supplemental Agreement Is I	Entered Into Pursuant To Auti	hority Of:			-	
D. Other (Specify type of modification	n and authority)					
IMPORTANT: Contractor is a		this document and return		pies to the Iss		
Description Of Amendment/Modification	(Organized by UCF section b	readings, including solicitation	contract subjec	t matter where	feasible.)	
	(¥)					
SEE SECOND PAGE FOR DESCRIPTION						
	9.	ė.				
cept as provided herein, all terms and con	ditions of the document refere	enced in item 9A or 10A, as he	etofore change	d, remains uncl	sanged and in full force and	
ect.		AND THE TAX STATE OF THE TAX OF T			AND THE PROPERTY OF THE PROPER	
A. Name And Title Of Signer (Type or pri	NO .	16A. Name And Title	Of Contracting	Omcer (Type	or print)	
B. Contractor/Offerer	15C. Date Signed				Date Signed	
	_ 2/27/14				1doh 20	
N 7540-D 1-152-8070	n) /	30-			REV. 10-83)	
REVIOUS EDITIONS UNUSABLE		30-			(48 CFR) 53.243	
one and the second	54				- The same of the	

### CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN #31P4Q-10-C-0003

MOD/AMD P00071

Page 2 of 2

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION, THE FOLLOWING BILLING INSTRUCTIONS ARE INCORPORATED IN THE SUBJECT CONTRACT.

A-3 BY EXECUTION OF THIS MODIFICATION CLIN 0006 FOR PHS&T EFFORT UNDER ESM EN13-11A, IS TO BE INVOICED UNDER THE FOLLOWING SLINS:

SLIN 0006AE AMOUNT: SLIN 0006AF AMOUNT: SLIN 0006AG AMOUNT: SLIN 0006AH AMOUNT:

THE SLING FOR FUNDING/BILLING PURPOSES CAN BE COMBINED AS FOLLOWS:

SLIN 0006AE AND SLIN 0006AG FOR LABOR PURPOSE SLIN 0006AF AND SLIN 0006AH FOR MATERIAL PURPOSE.

A-3 AS A RESULT OF THIS MODIFICATION, THIS SUBJECT CONTRACT VALUE IS UNCHANGED AND REMAINS THE SAME.

A-4 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0072 \*\*\*

AMENDMENT OF SOLICITATI	ION/MODIFICATI	ON OF CONTRA	CT	I, Contract I		Page 1 Of 7
2. Amendment/Modification No.	3. Effective Date MAR 0 3 2014	4. Requisition/Purchase				o. (If applicable)
6. Issued By  ARMY CONTRACTING COMMAND-REDSTONE  REDSTONE ARSENAL AL 35898-5280	Code W31P4Q	7. Administered By (If of DOMA RAYTHEON T 50 APPLE HILL D M/S T2FR2 TEWKSBURY MA 0	ewksb RIVE	JRY		Code 82205
8. Name Aud Address Of Contractor (No., Street RAYTHEON COMPANX 350 LOWELL ST ANDOVER, MA 01810-4400	et, City, County, State and		×	9A. Amendmen  9B. Dated (Section 10A. Modification 10A. Modification 10A. Modification 10B. Dated (Section	Item 11)	
Code 05716 Facility Code			-40	2003MAR17		
Offers must acknowledge receipt of this amer (a) By completing items 8 and 15, and return offer submitted; or (c) By separate letter or t ACKNOWLEDGMENT TO BE RECEIVED SPECIFIED MAY RESULT IN REJECTIO may be made by telegram or letter, provided hour and date specified.  12. Accounting And Appropriation Data (If req ACRN: AS NET INCREASE: \$199,963.00	ing copies o elegram which includes a r O AT THE PLACE DESIG N OF YOUR OFFER. If he each telegram or letter ma	of the amendments: (b) By reference to the solicitation NATED FOR THE RECE by virtue of this amendment	acknown and a CIPT O	vledging receip mendment nur F OFFERS PR lesire to chang	ot of this amen obers. FAILU LIOR TO THE e an offer alre	dment on each copy of the IRE OF YOUR HOUR AND DATE ady submitted, such change
		TO MODIFICATIONS OF act/Order No. As Describe		em 14.		
A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10/	t To:	Para series		The Cl	anges Set For	th In Item 14 Are Made In
B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The A			s (such	as changes in	paying office,	appropriation data, etc.) Se
C. This Supplemental Agreement Is Ente	ered Into Pursuant To Auti	hority Of:				4
D. Other (Specify type of modification as	nd authority)			1		7 10
E. IMPORTANT: Contractor is not, 14. Description Of Amendment/Modification (C		this document and return neadings, including solicita	ition/ce		pies to the Issu matter where	
SEE SE COND PAGE FOR DESCRIPTION						
Except as parovided herein, all terms and conditi	ous of the document refere	enced in item 9A or 10A, s	s beret	ofore changed	, remains unch	nanged and in full force and
effect.  15A Name And Title Of Signer (Type or print)		164 Nome And T	Cists O	Contracting	Officer (Tunn	or acint\
NSN 7540-D 1-152-8070 PREVIOUS EDITIONS UNUSABLE	3/3/14	30-1				3/3//5 30 (REV. 10-83) AR (48 CFR) 53,243

Reference No. of Document Being Continued

MOD/AMD P00072

Page 2 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: Buyer Office Symbol/Telephone Number: Type of Contract: Cost Plus Fixed Fee Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

#### \*\*\* End of Narrative A0000 \*\*\*

PIIN/SIIN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICES MEMORANDUM IS INCORPORATED IN SECTION J AS ATTACHMENT 0060 ESM EN14-003.

A-3 BY EXECUTION OF THIS MODIFICATION LABOR HOURS UNDER SLIN 0006AL AND MATERIAL UNDER SLIN 0006AM ARE INCREASED AS FOLLOWS:

SLIN 0006AL (LABOR) FROM BY TO
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

TOTAL

SLIN 0006AM (MATERIAL) FROM BY TO
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL

TOTAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE IS INCREASED IN THE AMOUNT OF \$199,969 FROM \$38,501,143.00 TO \$38,701,112.00

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0073 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00072

Page 3 of 7

PIIN/SIIN W31P4Q-10-C-0003 Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES AMOUNT QUANTITY UNIT UNIT PRICE SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS FY14 Material Total PCL COST G&A TCL COST (W/O CO COST OF MONEY FEE CPFF Hours Hours Description Hours Exercised Remaining PM/CM ENGINEERING PRODUCT ASSUR/TEST LOGISTICS TOTAL Material Material Description Material Exercised Remaining ESTIMATED COST COST OF MONEY FIXED FEE CPFF (End of narrative A002) 149000 ESM EN14-003 PROPOSAL PREPARATION FY14 LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #16086 PROPOSAL PREP CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J715900 PRON AMD: 01 ACRN: AS SLIN 0006AL FROM HOURS LABOR & BURDEN MATERIAL TOTAL Estimated Cost: \$ Fixed Fee: Total:

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00072

Page 4 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	ESM Description Hours EN14-003 Labor COMPOSITE HOURLY RATE				
	(End of narrative B001)  Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2014		1		(#) (#)
0006AM	ESM EN14-003 PROPOSAL PREP		LO	Estimated Cost Fixed Fee Not to Exceed	\$ \$
	SERVICE REQUESTED: #16086 PROPOSAL PREP CLIN CONTRACT TYPE: COST Plus Fixed Fee PRON: 4M3J715900 PRON AMD: 01 ACRN: AS		4	(Funding)	\$
	SLIN 000GAM FROM BY TO HOURS LABOR & BURDEN MATERIAL TOTAL				ā
	Estimated Cost: \$ COM: Fixed Fee: Total: \$		-		
	(End of marrative 8001)		8		- 7
	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination	CF.	-		
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 30-SEP-2014				

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00072

Page 5 of 7

ITEM NO	OF OF CONTRACTOR: RAYTHEON COMPANY SUPPLIES/SERVICES	QUANTITY	UNIT UNIT PRICE	AMOUNT
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			£ %	
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8				
÷			и	

Reference No. of Document Being Continued

MOD/AMD P00072

Page 6 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

GFEBS ATA

4M3J715900

AMS CD/ LINE MIPR/

ITEM

ACRN

AS

0006AL

OBLG JO NO/

STAT ACCT ASSIGN A.0009263.1.2 ACRN AS

PRIOR AMOUNT

199,969.00

INCREASE/

CUMULATIVE AMOUNT

0006AM 4M3J715900

2

A.0009263.1.2

PHN/SHN W31P4Q-10-C-0003

NET CHANGE

INCREASE/ DECREASE 021001 \$ 199,969.00

NET CHANGE \$

199,969.00

ACCOUNTING CLASSIFICATION

021 201320142040

ASXFJ 172419E55FPDG

2550 L035597162 A.0009263.1.2

CUMULATIVE

NET CHANGE FOR AWARD:

PRIOR AMOUNT OF AWARD

38,501,143.00

INCREASE/DECREASE AMOUNT

OBLIG AMT

199,969.00

38,701,112.00

LINE

ITEM EDI/SFIS ACCOUNTING CLASSIFICATION ACRN

0006AL AS 021 201320142040 0006AM 021 201320142040

ASXFJ 172419E55FPDG A5XFJ 172419E55FPDG 2550 L035597162 A.0009263.1.2 2550 L035597162 A.0009263.1.2 021001 021001

Reference No. of Document Being Continued

MOD/AMD P00072

Page 7 of 7

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

JECTION J - LIST OF ATTACHMENTS

List of Addenda Attachment 0060

Title ENGINEERING SERVICES MEMORANDUM (ESM) Number

Date 27-FEB-2014 of Pages

Transmitted By EMAIL

001

# **ENGINEERING SERVICES MEMORANDUM**

PORM 8H-31-00-04

U.S.	ARMY AVI					ID	The same of the sa	EN14-003		
	REDSTO	NE AR	SENAL,	ALABAM	A		DATE 21)	Feb 2014		
PROJECT TITLE						CONTRACTNO		CU 2017		
Proposal Preparati	on, FY14					W31P4Q	-10-C-0003			
30 Sep 2014	E OF ESM					COST ACCOUNT	41			
DESCRIPTION OF PROPOSED	WORK									
The contractor shall	l, at the requ	est of th	e Govern	ment, prepa	re prop	osals detail	ing labor ho	urs and costs		
required to perform W31P4Q10C0003.		fall und	ler the sc	ope of work	for the	Engineerin	g Services (	Contract,		
								aterial costs for each hall be provided with		
each proposal. Lab										
rom the task propo							oc account	d for separatery		
<b>QOVERNMENT FUR</b>	MSHED EQUIPMENT	-	DATE REGI	HE CARR	TURN DATE		CONDITION	OF REYURN		
To be specified in Sub-E	SMs as required	-								
RESULTING DOCUMENTATION	HARDWARF RENE	EITS AND DE	WERY DATE							
To be specified in Sub-E	GMs as required	· v								
ESTIMATED COST	* * * THE FO	OLLOWIN	G IS PRO	PRIETARY IN	ORMAT	TON PROTEC	TED UNDER	P. L. 100-679 * * *		
	ISSUE		CHÂNGE	CHANG	1	CHANGE	CHAN	GE CHÂNGE		
MRECT LAMOR HOURS		8		8	-		8	T		
ATERIAL S	_	8		8	18		15	i		
COMPTIVE US CONTA LEA	Section 2017	8		1	8		S	1		
TRAVEL & PER DIEM	2771	5		8	3		5	1		
TOTAL		3			8		8	1		
SM MONITORS  Rayl 108:	neon			-	CMDS P.O	).:				
ONCURRENCE SIGNATURES			1	DATE				DATE		
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HEVISION -		*	-							
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Sheet 1

W31P4Q-10-C-3003 Attachment 9360 Page I of I

Date: MAR 0 3 2014

AMENDMENT OF SOLICITATION/MODIFICAT	ON/MODIFICATI	ON OF CONTRA	CT	1. Contract	Page 1 Of 2	
2. Amendment/Modification No.	3. Effective Date MAR 2 2014	4. Requisition/Purchase	- C. II.			o. (If applicable)
6. Issued By  ARMY CONTRACTING COMMAND-REDSTONE  REDSTONE ARSENAL AL 35898-5280	Code W31P4Q	7. Administered By (If o DCMA RAYTHEON TO 50 APPLE HILL DO M/S T2FR2 TEWKSBURY MA O	ewksb Rive	ORY		Code S2205A
8. Name And Address Of Contractor (No., Street RAYTHEON COMPANY	t, City, County, State and 2	Zip Code)	7	9A. Amendmer	nt Of Solicitati	on No.
ANDOVER, MA 01810-4400	(8)		Ī	9B. Dated (See	Item 11)	
			ᆜ	10A. Modificat w31P4Q-10-C-	v Salada	ect/Order No.
				10B. Dated (Se	e Item 13)	
Code 05716 Facility Code	(4)		_	2003MAR17		
11.7	THIS ITEM ONLY APPLI	ES TO AMENDMENTS	OF SO	LICITATION	S	
SPECIFIED MAY RESULT IN REJECTION may be made by telegram or letter, provided hour and date specified.  12. Accounting And Appropriation Data (If requ NO CHANGE TO OBLIGATION DATA	each telegram or letter ma	kes reference to the solicit	ation	and this amend	ment, and is r	
A. This Change Order is Issued Pursuan	It Modifies The Contr	act/Order No. As Describe		tem 14.		th In Item 14 Are Made In
The Contract/Order No. In Item 10A  B. The Above Numbered Contract/Order		he Administrative Change	s (sucl	039000733		
Forth In Item 14, Pursuant To The A			_			
	THE STATE OF THE S	Mutual Agre	emen	t of Both Pa	rties	
D. Other (Specify type of modification ar	id authority)					
E. IMPORTANT: Contractor is not,  14. Description Of Amendment/Modification (O		this document and return neadings, including solicitat	tion/co		pies to the Issu matter where	
SEE SECOND PAGE FOR DESCRIPTION						
41						
Except as perovided herein, all terms and conditi-	ons of the document refere	enced in item 9A or 10A, as	here	tofore changed	, remains uncl	hanged and in full force and
15A Name And Title Of Signer (Tune or aslet)		I6A Name And T	itla O	Contraction	Officer (Tune	or print)
(Signature of person authorized to sign)	3/20/14	/	ure o	Contracting C	Micer)	3-20-2014

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

Redactions per (b)(4), (b)(6) Reference No. of Document Being Continued 000860 CONTINUATION SHEET Page 2 of 2 PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00073

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fee Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 BY EXECUTION OF THIS MODIFICATION, THE FOLLOWING IS INCORPORATED INTO CONTRACT W31P4Q-10-C-0003.

A-2 THE PURPOSE OF THIS MODIFICATION IS TO EXTEND THE PERIOD OF PERFORMANCE AND INCREASE THE CEILING AMOUNT BY

TOTAL

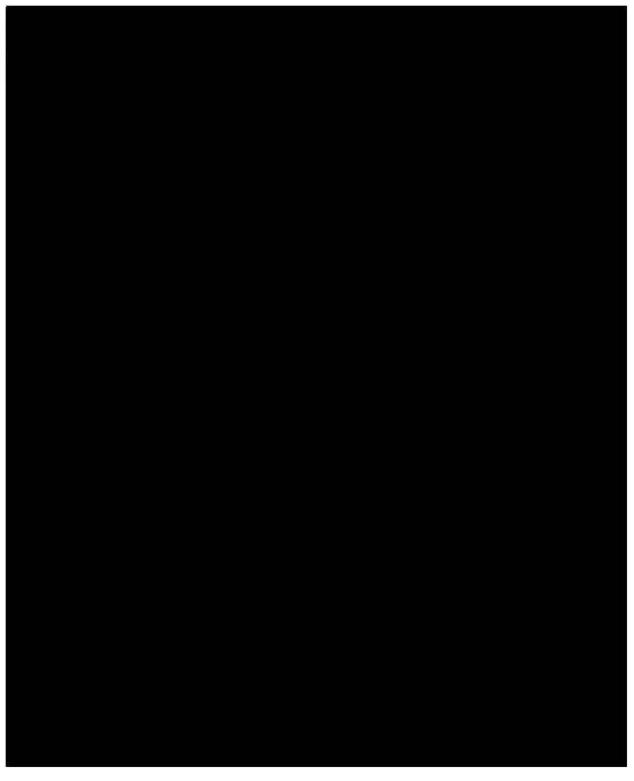
HOURS/MATERIAL DOLLAR VALUE PERIOD OF PERFORMANCE (POP) CONTRACT AWARD - 30 SEPT 2015

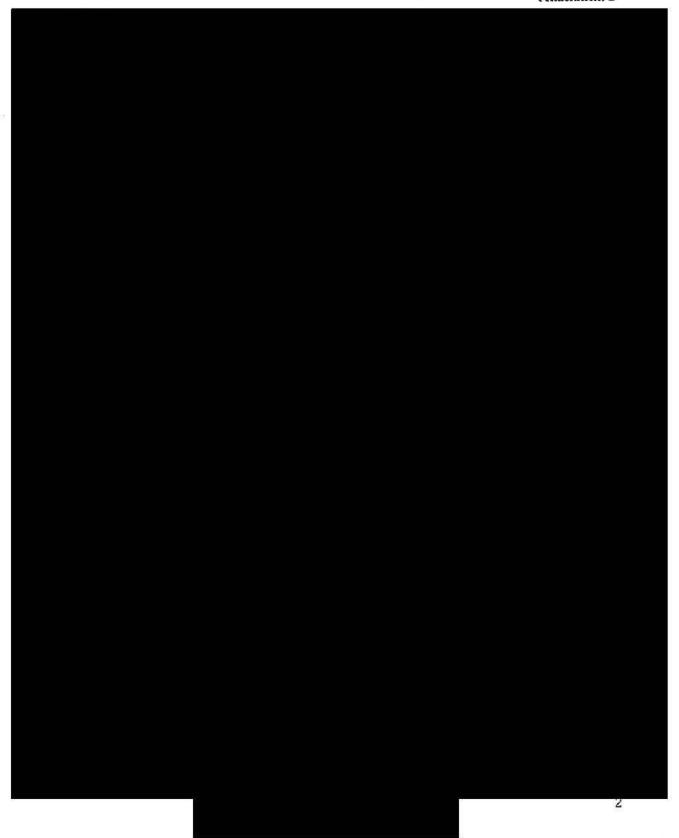
A-3 AS A RESULT OF THIS MODIFICATION, THE POP IS EXTENDED TO 30 SEPT 2015 AND THE CEILING AMOUNT IS INCREASED BY

A-4 AS A RESULT OF THIS MODIFICATION, THE CONTRACT OBLIGATION AMOUNT WILL REMAIN UNCHANGED.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

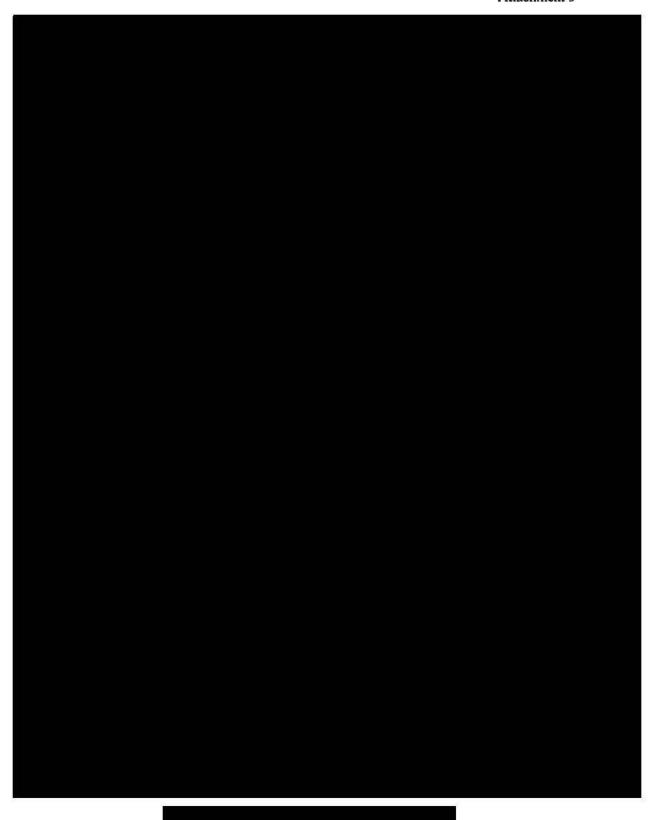
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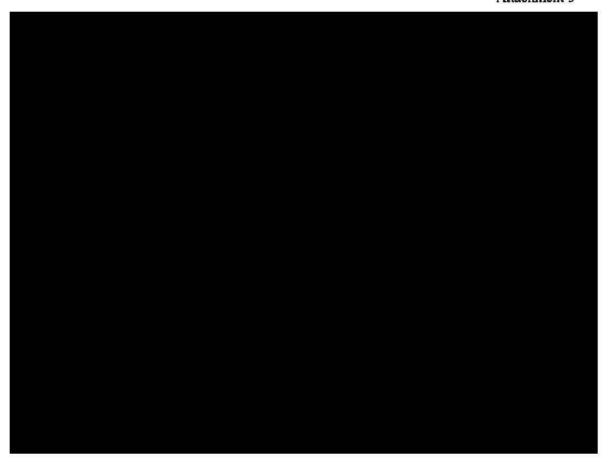






Cruise Missile Defense System Project Office





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DE	LIVERABLE PRODUCT	(X and com	piete	as applicable.	)				
	e. ORIGINALS (Specify our recognized as official) (Ide						ing or digital data file(s	s) an which is kept the	e revision record
	b REPRODUCTIONS (Ide	entify apecificat	ions.	voe. grade and cl	ass. 6	etc.	and quantity of each)		
×	Digitized files shall repl raster images containin dimensionally accurate	ace stable ba g un-dimens	ise A	rtwork Master P	atte	n D	rawings, the Contra	Master Pattern dra	
^	c. DIGITAL DATA (Identity	specification,	excha	nge media, etc. ar	id sp	egity	original (master) or co	opy)	
X	SEE BLOCK 8								
CA	GE CODE AND DOCUM	MENT NUMB	ERS	(X ONE)					
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x	a. CONTRACTOR FORM	ATS. Forms to	be su	pplied by contract	tor				
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	c. INDEX LISTS (X one)		X		_	-		y levels of assembly)	
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J-C161	data, when prepared, s	nall be delive	itea i	AVV Instructions	on,	one	et 2 (Fig 1A)		
2-1	Digital Drawings and D	ocument sha	all be	delivered IAW	MIS-	STE	0-52406A-IS format	s (paragraph 4.2.4	.1 1) with the associative
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-	lless of date to 0.0							2000	data shall be as a data
ta a	ind product managemen	t information	losse	irawing formats is.	SOU	rced	from master native	3-D CAD salid mo	odels shall have no design
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Go	vemment Approval: Sign	nature Block	(ASN	AF Y14 1-2005	Sec	tian	4) Title Blocks Co	ntents Block G sh	all be used for Government
lea	se Authority. All name b	locks shall b	e con	npleted with aut	horiz	ed	signatures or the ty	ped name of the ap	oprover, and shown on all
G	overnment selects drawi	ing type.							JLENS Engineering Servi
								C	ONTRACT W31P4Q-10-C EXHIBIT A Page 10 Of 24
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Date: 17 MARCH 2010

# MIL-DTL-31000C

PRODUCT DRAWINGS AND ASSOCIATED LISTS  Continuation Sheet  A. CONTRACT NO.  B. EXHIBIT/ATTACHMENT NO C CLIN  A  1  8. OTHER TAILORING (Attach additional sheets as necessary) Cont.  (5) The Contractor shall deliver an ISO 10303 STEP data exchange export Part 21 file, compliant with PDM Scheme external references to the JLENS TDP content files (2D and CAD drawings, part and assembly 3D solid models, assemd packing of the respective product (part-assembly) structure and user-defined metadata.  BLK 4b: NOTE: See ASME Y14.100, Y14.24, Y14.34 and Y14.35.  BLK 7a: 2D/3-D CAD Solid Model Associativity. All 2-D drawings reproduced from digitally maintained CAD data (modernly) with ASME Y14.100, Section 7.0. to establish and maintain 2-D CAD or 3D CAD solid model associativity. Did DRAWING WAS GENERATED FROM A SOLID MODEL AND IS CAD MAINTAINED. CHANGES SHALL BE INCORCURRENT DESIGN ACTIVITY" applied beneath the last entry of the revision history block area or above the title block.	
A 1  B. OTHER TAILORING (Attach additional sheets as necessary) Cont.  5) The Contractor shall deliver an ISO 10303 STEP data exchange export Part 21 file, compliant with PDM Schema external references to the JLENS TDP content files (2D and CAD drawings, part and assembly 3D solid models, assembly and packing of the respective product (part-assembly) structure and user-defined metadata.  BLK 4b: NOTE: See ASME Y14.100, Y14.24, Y14.34 and Y14.35.  BLK 7a: 2D/3-D CAD Solid Model Associativity. All 2-D drawings reproduced from digitally maintained CAD data (model) with ASME Y14.100, Section 7.0. to establish and maintain 2-D CAD or 3D CAD solid model associativity. Discreptly with ASME Y14.100, Section 7.0. to establish and maintain 2-D CAD maintained. CHANGES SHALL BE INCORDURRENT DESIGN ACTIVITY* applied beneath the last entry of the revision history block area or above the title block.	
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# TDP WORKSHEET 2-D PRODUCT DRAWINGS, DOCUMENTS & ASSOCIATED LISTS

## ASME Y14.100 TAILORING CHECKLIST - SHEET 1

A. Drawing Media (Choose all that apply)	
(1) Non-digital (Specific Content of Civil D	
(1) Non-digital (Specify Convert 1:1 Digital) (2) Digital Data (3D & 2D CAD, Adobe PDF, 2D Raster, IAW DI-SESS-81000C&	닖
MIS-STD-52406A-IS)	H
(3) Other (If hardcopy is all that is available, then scan in hardcopy into PDF format)	_
B. Drawing Format (Choose One)	
(1) Contractor	
(2) Government (forms supplied by the Government)	
(3) Government (forms supplied by the Contractor)	
C. Drawing Sheet Size and Format (Choose One)	
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(!) ASME Y14.1	⊠.
(2) ASME Y14.1M	
D. Application Data (Choose all that apply)	
(I) Contractor action	_
(1) Contractor option	
(2) Required (a) On drawing	
(b) By reference (Specify )	H
(c) Contractor option	×
(3) General use or multi-use notations	X
(a) allowed	63
(b) not allowed	Ø
E. Drawing Detail (ASME Y14.24) (Choose all that apply)	
Choose an that apply)	
(1) Monodetail	×
(2) Multidetail (As applicable) Should be consistent with Block 6	×
(3) Tabulated	
F. Dimensioning and Tolerancing (Choose all that apply)	
Const Destroys	-
(1) Metric	
(2) Decimal-inch	$\boxtimes$
(3) Application of ASME Y14.5M	
(a) Specific issue (revision) required (Specify issue (b) Issue in effect (ASME Y14.5M-1994)	$\boxtimes$
G. Drawing Notes (Choose One)	
// A	_
(1) On drawing	
(2) By reference (Specify)	닕
(3) Contractors option	×
H. Types of Drawings (ASME Y14.24) (both, as needed)	
(1) Contractor selects (as needed)	Ø
(2) Government selects (as needed)	Ø
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JLENS Engineering Services
CONTRACT W31P4Q-10-C-0003
EXHIBIT A
Page 12 Of 24
Date: 17 MARCH 2010

I. M	aintenance of Multi-Sheet Drawings (ASME Y14.35M) (Choose all that apply)	
3	(1) Drawing revision level (DOD preferred)	×
	(2) All sheets same revision level	$\Box$
	(3) Sheet revision level	
J. R	edrawn Drawings (redrawing without change) (ASME Y14.35M ) (Choose one)	
	(1) Advance revision level	M
	(2) Revision level is not advanced	
K. N	faintenance of Revision History (Choose all that apply)	
	(1) Contractor option	
	(2) Optional methods	
	(a) Remove one or more revision record as required	
	(b) Remove all previous revision history	
	(c) Remove all revision history but retain line entry for revision authorization and	
	date of revision	-
	(d) Remove all except revision preceding current	
	(e) Maintain revision history in its entirety	
L. A	dding Sheets (ASME Y14.35M) (Choose all that apply)	
	(1) Contractor option	П
	(2) Optional methods	_
	(a) Renumber sheets using consecutive whole numbers	$\boxtimes$
	(b) Number added sheets in decimal-number sequence	
	(c) Number added sheets in alpha-numeric sequence	
M. I	Deleting Sheets (ASME V14.35M) (Choose all that apply)	
	(1) Contractor option	П
	(2) Optional methods	
	(a) Renumber all affected remaining sheets	×
	(b) Affected remaining sheets not renumbered (revision status of sheets block is	
	updated with notations such as CANC or DEL)	
N. N	tarkings on Engineering Drawings (Choose one)	
	(1) Special items and processes apply	
	(a) Applicable symbols (ASME Y14.100-2004, Table E-1 and Section 7, Table 1)	$\boxtimes$
	(b) Applicable special notes (ASME Y14.100-2004, Appendix E. Paragraphs E-4 through E-7)	
7	(2) Special items and processes do not apply	
O. A	associated Lists (ASME Y14,34M) (Choose all that apply)	
	(1) Non-digital (Specify Convert 1:1 digital)	
	(2) Digital Data (Native CAD Drawings IAW DI-SESS-81000C & MIS-STD-52406A-IS)	⊠
	(3) Other (If hardcopy is all that is available, then scan in hardcopy into Acrohat® PDF format)	
	5.5	

# ASME Y14.100 TAILORING CHECKLIST - SHEET 3

P. Types of Associated Lists (ASME Y14.34M) (Choose all that apply)	
(1) Parts Lists	M
(a) Integral	
(b) Separate	፟
(c) Contractors option	Ö
(2) Application List	Ø
(3) Data Lists	
(4) Index Lists	
(5) Indentured Data List	$\boxtimes$
(6) Wire List (when assemblies require interconnection)	
(7) Other (Specify)	
Q- Angle of Projection (ASME Y14.3M) (Choose one)	
(1) 3rd Angle	M
(2) 1st Angle	
R. Language (Choose one )	
(1) English required	
(2) Other (Specify)	
S. Applicability of Appendices	
(1) Appendix B	
(a) as detailed herein	
(b) as modified	
(2) Appendix C	
(a) as detailed herein	
(b) as modified	Ц
(3) Appendix D	-
(a) as detailed herein	
(b) as modified	
(4) Appendix E	
(a) as detailed herein	
(b) as modified	

## MIL-DTL-31000C

	TDP OPTIO			
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A. CONTRACT NO	D EARIBITIE	A	CLIN	A009
1. DELIVERABLE PRODUC	(X and complete as applica	ble.)		
	D MODELS (Specify format(s) (Nat		GES. etc.))	
X Native Format: Contra Block 5.	ctor's Modeling CAD Software	System and Neutra	Format. ISO 1030	3 STEP Edition 2, AP 214 and 203 , See
b 3-D SOLID MODELS A	SSOCIATED DRAWINGS (If 2-D d	trawings based on 3-D	solid models are requ	ired, indicate here and fill out TDP OPTION
SELECTION WORKSHE	ET - PRODUCT DRAWINGS AND	ASSOCIATED LIST)		
X Required with Native 3-D associativity. See Block 8	CAD Solid Models All 2-D drawing	gs and master 2-D CA	D or 3-D CAD Solid M	odels shall have bi-directional data
2. CAGE CODE AND DOCU	MENT NUMBERS AY ONE			
	R DESIGNATED COMMERCIAL I	TEMS"		
X b. GOVERNMENT Comp	Hete (1) and (2) or (3) "FOR DESM	GNATED NON-COMM	ERCIAL ITEMS AND	SOURCE CONTROL DOCUMENTS*
(1) Use CAGE Code	(2) Use Document Numbers		(3) To Be Assigned	
AMCOM CAGE	See Bik 2b	(3)	Obtain new drawing JLENS Configurati	/associated document numbers from the on Data Management representative, unless
3. 3-D SOLID MODEL REQU	IREMENTS (X one and comp	otete as sonlicable	otherwise directed	
I CONTRACTOR CORE	MATS Models built to contractor rec			
A SEE BLOCK 5	2004-000-00-00-00-00-00-00-00-00-00-00-00			5
D GOVERNMENT FORM	MATS 3-D solid models built to Gov	vernment requirement	and formtas (Specif	Government modeling applicable
specifications or SOW pa	ragraphs.) NDARDS. <i>(Apply an X as app</i>	licable)		
a ASME Y14 41 Digital D	Product Definition Data Practices	incatale)	b Existing Sta	ndards Do Not Apply
SEE BLOCK 5				The state of the s
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5. OTHER TAILORING (Attach additional sheets as necessary) Cont.

#### BLK 3a: Product Data Export Capability

- (1) PDM Schema. The Contractor shell deliver an ISO 10303 STEP data exchange export Part 21 file, compliant with PDM Schema. complete with external references to the JLENS TDP content files (2D and CAD drawings, part and assembly 3D solid models, associated documentation) and packing of the respective product (part-assembly) structure and user-defined metadata. Note: PM should specify file type depending on the intended use of the data.
- (2) MBData sets. The Contractor shall construct encapsulated 3-D product technical data sets that include part and assembly 2-D drawings 3-D CAD solid models, associated lists, material and process specifications, and identify, by reference or entity, all (PMO) 2-D installation and Kit Drawings, Special Tools and Materials, and specify Installation Test and Calibration Requirements Product Data Definition Sheet shall be included with the MBData set(s). (See sample Attachment XX)
- BLK 3a: Validation Checks. Contractor shall conduct 3-D CAD model data validation checks on native and neutral data as a quality function to identify part, assembly, and installation shape and fit (geometry and topology), dimension and tolerance problems that will affect downstream applications, such as analysis, simulation, rapid prototype, and NC manufacturing and data exchange. A 3-D CAD validation check report shall be provided to Government with each contract 3-D CAD solid model (part and assembly) product data set delivery. The contractor shall submit with each delivery, a statement that the 3-D CAD model data has been validated and is acceptable for manufacturing.
- BLK 4a: Government Approval. The Contractor shall permanently record the Government design engineer approval name and organization user-defined metadata attributes in part and assembly 3-D CAD model files. Contractor's PDM system, engineering release system, and CAD source software system.
- system, and CAD source software system.

  BLK 4a: Drawing/Document Creation Standards. The Contractor shall provide to the Government, at <u>Initial</u> product data set submittal, the Contractors geometry and CAD / solid model data creation standard (in Contractor's format). Contractor shall provide any <u>Revisions</u> to this cocument(s) directly relating to changes in the process of developing and revising 2-D drawings, models and associated documents in subsequent TDP deliveries to the Government.

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EXHIBIT A
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Redactions per (b)(6)

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350 LOWELL ST			(4.)	1	9B. Dated (See	Item 11)		
ANDOVER, MA 01810-4400					52			
				x	10A. Modificat	ion Of Contrac	t/Order No.	
	*	*	1		W31P4Q-10-C-	0003		
			101		10B. Dated (Se	e Item 13)		
Code 05716 Fac	ility Code				2003MAR17		110	
	11. T	THIS ITEM ONLY APPLI	ES TO AMENDMENT	SOFS	OLICITATION	S		
ACKNOWLEDGMENT TO SPECIFIED MAY RESULT may be made by telegram or hour and date specified. 12. Accounting And Appropriat ACRN: AN NET INCREASE:	IN REJECTION letter, provided ion Data (If require) \$.00	N OF YOUR OFFER. If he cach telegram or letter ma	y virtue of this amendm kes reference to the soli	or CO	desire to change and this amend	e an offer alrea ment, and is re	dy submitted, such chi	ange ning
A. This Change Order is The Contract/Order					The Ch	anges Set Fort	b In Item 14 Are Made	e In
B. The Above Numbered	Contract/Order	r Is Modified To Reflect Ti authority of FAR 43.103(b).	he Administrative Сhяп	ges (su	ch as changes in	paying office, s	ppropriation data, etc.	.) Set
C. This Supplemental Ag	reement Is Ente	ered Into Pursuant To Auth	hority Of:					
D. Other (Specify type of	modification at	nd authority)						
E. IMPORTANT: Contracto	r is not,	is required to sign t	this document and retur	ro	cor	oies to the Issui	ng Office.	
14. Description Of Amendment/	Modification (O	rganized by UCF section h	eadings, including solic	itation/	contract subject	matter where f	ensible.)	
SEE SECOND PAGE FOR DE	CRIPTION							
		4						
							(+)	
•								
Except as provided herein, all te	rms and conditi	ons of the document refere	nced in item 9A or 10A,	, as her	etofore changed,	remains uncha	inged and in full force	and
54 Name And Title Of Signer	Type or print)	748	16A. Name And	d Title (	Of Contracting (	Micer (Type or	r orint)	
(ED C 1 1 10 M		15C. Date Signed					16C. Date Signed	
		3/27/14					22 Mars	all
NSN 7540-01-1152-8070			30-1				19/11/W/d	U
PREVIOUS EDITIONS UNUSA	BLE		50-1			Prescribed by	ORM 30 (REV. 10-83) GSA FAR (48 CFR) 53	

000894

#### CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 6

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00074

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Pixed Fee Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION (PO0074) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

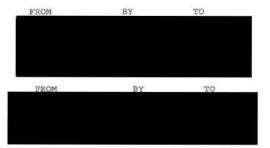
A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCORPORATED IN SECTION J AS ATTACHMENT 55 EN13-11 REV B.

A-3 BY EXECUTION OF THIS MODIFICATION MATERIAL DOLLARS TO BE CONVERTED TO LABOR HOURS UNDER CLIN 0006AF ARE CONVERTED TO UNDER SLIN 0006AE LABOR HOURS IN ACCORDANCE WITH THE RATE DIFFERENCE. SLIN 0006AE LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF AND THE LABOR HOURS ARE INCREASED BY SLIN 0006AF MATERIAL DOLLARS ARE DECREASED IN THE AMOUNT OF

FOLLOWS:

SLIN 0006AE (LABOR) DIECT LABOR HOURS DIR LABOR & BURDEN MATERIAL

SLIN 0006AF (MATERIAL) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE REMAINS UNCHANGED.

A-5 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0077 \*\*\*

CONTINUATION SHEET

# Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00074

Page 3 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES UNIT PRICE AMOUNT QUANTITY UNIT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS LABOR FY14 MATERIAL TOTAL PCL COST G&A TCL COM CPFF HOURS HOURS EXERCISED REMAINING DESCRIPTION PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL MATERIAL EXERCISED REMAINING DESCRIPTION ESTIMATED COST FIXED FEE TOTAL (End of narrative B006) 0006AE FY14 ESM EN13-11 EXERCISE SYSTEM MAINTENANCE LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: 13877 JLENS RAYTHEON CLIN CONTRACT TYPE: FRON: 4M3J714600 PRON AMD: 01 ACRN: AN ESTIMATED COST \$ FIXED FEE TOTAL Description ESM EN13-11B

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00074

Page 4 of 6

Name of Offerer or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT COMPOSITE HOURLY RATE (End of narrative B002) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 30-SEP-2014 0006AF FY14 BSM EN13-11 EXERCISE SYSTEM MAINTENANCE LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: 13877 JLENS RAYTHEON CLIN CONTRACT TYPE: PRON: 4M3J714600 PRON AMD: 01 ACRN: AN ESTIMATED COST \$ COM S FIXED FEE 3 TOTAL (End of narrative B002) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 30-SEP-2014

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00074

Page 5 of 6

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

0006AF 4M3J714600

LINE	MIPR/	OBLG	JO NO/
ITEM	GFEBS ATA	STAT	ACCT ASSIGN
0006AE	4M3J714600	2	A.0009263.1.2

ACRN AN

AN

INCREASE/ PRIOR AMOUNT NET CHANGE



LINE ITEM

0006AE

ACRN ACCOUNTING CLASSIFICATION

021 201320142040

A.0009263.1.2

ASXFJ 172419E55FPDG 2550 L034780194 A.0009263.1.2

INCREASE/ 021001 \$ NET CHANGE \$

PRIOR AMOUNT

INCREASE/DECREASE

AMOUNT

CUMULATIVE

OBLIG AMT

NET CHANGE FOR AWARD:

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION AN 021 201320142040 A5XFJ 172419E55FPDG 2550 L034780194 A.0009263.1.2

0006AF AN

021 201320142040 A5XFJ 172419E55FPDG 2550 L034780194 A.0009263.1.2

021001

021001

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00074

Page 6 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

PIIN/SIIN W31P4Q-10-C-0003

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0055

Title ENGINEETING SERVICES MEMORANDUM EN13-11 REV B

Number Date

28-PEB-2014

of Pages

Transmitted By

EMAIL

Redactions per (b)(4), (b)(6), (b)(3) and Title 10 Sec.130 (a)(c)

ENGINEERING SERVICES MEMORANDUM

FORM 6H-21-00-04

000899	IGHAEE	HING :	SEN	ICES	MEMOR		
	MY AVIATIO				ND	EN13-11	В
	4					February 2	8, 2014
olect mile Exercise System Mainte ransportation, Realignn		aging, Hand	ling, Stora	age, and	W31P4Q-10		
TIMATED COMPLETION DATE OF E					COST ACCOUNT		
O September 2014							
e contractor shall provi st and Training Range stem. This period of per e contractor shall ship s sumes equipment to be sumes equipment to be orage support ends duit ium skid recertification	(UTTR) to include the stored HW to A stored is packed transported to 2014.	de Govern d begin on berdeen Pr kaged and s a APG is par ned during t	ment furn 1 Oct 201 roving Gro stored at it ckaged a this POP.	lahed equip 3. ound (APG) cho Site at nd ready for	MD when direct to transport.	o displace and e	emplace the
em. Excludes resourc	es required to	conduct any		S. RETURN DA	TE	CONOMICUTOR	TIPIN
be specified in Sub-ESMs a	s required						
Manager Manager		Carl Marky Mark		-			-
be expecified in Sub-ESMs or							
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SIGN							
ISION							1

FORM 8N-31-4N-0

000900

# ENGINEERING SERVICES MEMORANDUM

ESM NO. EN13-11B

				EN13	3-118	
DESCRIPTION OF PROPOSED WORK (CONT)						
SuR Repairs:						
The contractor shall repair the	SuR			as directe	d on 17 Jan	uary. 2014
The contractor shall follow the		an including;				
<ul> <li>Before using Orbit #2</li> </ul>						
<ul> <li>The contractor shall of</li> </ul>					pairing the	SuA.
<ul> <li>Once cost and delive</li> </ul>	ry is complete	apares puro	hase will be prioritiz	ed.		104978 S
- The contractor shall o						
<ul> <li>A joint review needs to start-up procedure principal</li> </ul>				Haymeon to gair	concurrenc	on the
- Goal is to complete n				orthan Eah 29		
Goar is to complete to	pans and rate	e a eccesso	ioi oni ingili no iali	or triality of 20.		
IFF Government Testing and	Verification St	upport:				
The contractor shall provide ti			quipment, supplies,	transportation, to	ols, material	s.
Cinomisian and atheresades	o to sevelate	Anna Compa	luded	teste de		
тте соченители ми варру и	ne necessary	rest renders	and coordination with	n all government	agencies.	
The contractor shall ensure th	IFF Govern	ment Testing	and Verification Su	mont services it	nrouiries are	affectionly
managed. Services that are s					NO ANDRO DIG	on och sory
- Mission Preparation (				27. 		
-						
- Data gathering, reduc						
o Ensure tracks are o					9	
	data is rec					
o Reduction of neces						
o Reduced data will l						
		-				
The contractor will conduct a	opropriate and	ivsis o				
The contractor shall provide a	Logistics Lea	d.				
Than contractor shall Provide P						
			tructures is included			
The ESM scope provided here	atu la brovided	to the Gove	mment under a Lev	el of Ellon Dasis.		
	ē.					
Cont'd						
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	191					
	*					
STONE PLAN (MEASUPABLE TASKS ONLY)						
MILESTONE	SYART DATE	END DATE	MILEST	ONE	START DATE	END DATE
•						
		1 1	1		1	l .

FORM 8H-81-00-04

## **ENGINEERING SERVICES MEMORANDUM**

000901 Redactions per (b)(4) and Title 10 Sec.130 (a)(c)

EN13-11B

DESCRIPTION OF PROPOSED WORK (CONT)

Provider	Tack Title	Cost (Hrs or \$K Sell
HTSC PHS&T	Perform the following tasks: - shipping/receiving of helium elids during recertifications - procurement of consumebles (including Helium Gas (HeG)) - ISO container recertifications - deliy PHS&T site activities – maintaining inventory and database/MMIS  During the one site operations and one site storage period, the PHS&T team shall also complete pre-emplacement activities to ready and prepare the system prior to Abardeen Proving Grounds  (APG) arrival. The PHS&T must ensure all packaging paperwork is in order and create transportation paperwork, ready additional required rentals and consumables.  POP Jen 1, 2014 – July 2014	8,754 hrs
Miscellaneous	RTSC Cell Services, MMIS, Lease vehicles and Travel	
RTSC Consumables	HW Consumables and Helium Re-certifications for pressure vessel test and Helium Gas.	
Supply Chain	Supply Chain Services to maintain Supplier and IOT SOWs and all Vendor services (previously removed in error Mod A)	
Vendore	Shipping and Rentals	
Echo Flyable Storage	Maintain Echo alle in Flyable Storage configuration until directed RTSC , IOS, TCOM	8,372 hrs
Sul Repairs	Repairs to SuS as needed. Replenishment of Spares (IDS, SAS)	2,382 hrs
IDS Program Travel	Program travel as needed	
BM Maintenance, HW/SW Maintenance,	Maintain tactical and non tactical HW and SW	
DS HW	Provide Storage planning and PMCS Maintenance Checks	1,257 hrs
DS Lead	Half-time task leadership per JPO request	1032 hrs
PM\PI	Support ESMs for October 2013 March 2014 (IDS, SAS, IIS)	13,825 hrs
FF Testing & Gov Support	Analyze STRs and incorporate fixes into SW. Conduct missions appropriate to support verification. Conduct additional measurements to support 1494 (IDS SAS Solipsys, TCOM)	2,745 hrs

MILESTONE PILAN (MEASURABLE TASKS ONLY)		W			
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	ENDOATE
	1	1		1	
		11			

Redactions per (b)(6)

AMENDMENT OF SOLICITA'  2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Rec		5. Project No.	(If applicable)	
200075	28 11/as 2014	SEE SCHEDULE				
6. Issued By	Code W31P40	7. Administered By (If other	than Item 6)	150	Code	5220
ARMY CONTRACTING COMMAND-REDSTONE		DCMA RAYTHEON TEWK				
REDSTONE ARSENAL AL 35898-5280		50 APPLE HILL DRIV	5			
± +		TEWKSBURY NA 0187	5-1190			
	V					-
3. Name And Address Of Contractor (No., St	rect, City, County, State and 2	Zip Code)	9A. Amendmen	t Of Solicitation	n No.	
RAYTHEON COMPANY 350 LOWELL ST					The state of the s	
ANDOVER, MA 01810-4400	*	1	9B. Dated (See	Item 11)		
4		X	10A. Modificat	ion Of Contract	/Order No.	
*			W31P4Q-10-C-	0003		
			10B. Dated (See	0,000,000		_
Code 05716 Facility Code			2003MAR17	-t.ontrochotta		
11	. THIS ITEM ONLY APPLIE	ES TO AMENDMENTS OF S	OLICITATIONS	\$		
offer submitted; or (c) By separate letter or	r telegram which includes a re	eference to the solicitation and	amendment nun	DUIS. PAILUR	TOT TOUT	fthe
ACKNOWLEDGMENT TO BE RECEIVED SPECIFIED MAY RESULT IN REJECTION may be made by telegram or letter, provide hour and date specified.  2. Accounting And Appropriation Data (If reachers, AT NET INCREASE:	ED AT THE PLACE DESIGN ON OF YOUR OFFER. If by ed each telegram or letter mal equired)	NATED FOR THE RECEIPT y virtue of this amendment you kes reference to the solicitation	OF OFFERS PR a desire to change a and this amenda	IOR TO THE I an offer alread ment, and is rec	IOUR AND DATE ly submitted, such	
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CONTINUATION SHEET

Name of Offeror or Contractor: RAYTHEON COMPANY

Reference No. of Document Being Continued

MOD/AMD P00075

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 61 EN14-

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS WILL BE EXERCISED. SLIN 0006AN LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF AND THE LABOR HOURS ARE INCREASED BY SLIN 0006AP MATERIAL DOLLARS ARE INCREASED IN THE AMOUNT OF THE INCREASES ARE AS FOLLOWS.

SLIN 0006AN (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



SLIN 0006AP (MATERIAL) FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE WILL REMAIN THE UNCHANGED.

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$1,002,374.00 FROM \$38,701,112.00 TO \$39,703,486.00.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS



A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0075 \*\*\*

Redactions per (b)(4), (b)(3)(A)(i) and Title 10 Sec.130 (a)(c)

PIIN/SIIN W31P4Q-10-C-0003

000904 CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00075

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Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS PCL COST G&A TCL COM FEE CPFF DESCRIPTION LABOR PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL REMAINING DESCRIPTION MATERIAL EXERCISED ESTIMATED COST FIXED FEE TOTAL (End of narrative B007) 0006AN BCS-F INTERFACE DEVELOPMENT EN14-006 LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #15708 CLIN CONTRACT TYPE: PRON: 4M4JX10200 PRON AMD: 01 ACRN: AT Estimated Cost COM Fixed Fee Total Description FY14 Hours EN13-004 Labor

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 4 of 7

PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00075 Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance PERF COMPL DLVR SCH QUANTITY REL CD DATE 30-AUG-2014 0006AP LO BCS-F INTERFACE DEVELOPMENT Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #15708 CLIN CONTRACT TYPE: PRON: 4M4JX10200 PRON AMD: 01 ACRN: AT SLIN 0006AP FROM DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL Estimated Cost Fixed Fee Total (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00075

Page 5 of 7

ITEM NO		tor: RAYTHEON COMPANY SUPPLIES/SERVICE		QUANTITY	UNIT	UNIT PRICE	AMOUNT
	DLVR SCH REL CD 001	QUANTITY	PERF COMPL DATE 30-AUG-2014	Q.M.I.I.I		5.12.2.2.0.0	
3.							18
	-						18

PHN/SHN W31P4Q-10-C-0003 MOD/AMD P00075 Name of Offeror or Contractor: RAYTHEON COMPANY SECTION G - CONTRACT ADMINISTRATION DATA PRON/ AMS CD/ LINE MIPR/ OBLG JO NO/ INCREASE/ CUMULATIVE ITEM GFEBS ATA STAT ACCT ASSIGN ACRN PRIOR AMOUNT DECREASE AMOUNT 0006AN 4M4JX10200 2 A.0018921.1.4 AT 0006AP 4M4JX10200 A.0018921.1.4 NET CHANGE 1,002,374.00

Reference No. of Document Being Continued

Page 6 of 7

ACRN ACCOUNTING CLASSIFICATION
AT 021 201420152040 A5XFJ 172419EG7FPDG 2550 L035758538 A.0018921.1.4

NET CHANGE \$ 1,002,374.00

 PRIOR AMOUNT
 INCREASE/DECREASE
 CUMULATIVE

 OF AWARD
 AMOUNT
 OBLIG AMT

 NET CHANGE FOR AWARD:
 \$ 38,701,112.00
 \$ 1,002,374.00
 \$ 39,703,486.00

Redactions per (b)(4)

CONTINUATION SHEET

 000908 CONTINUATION SHEET

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00075

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

 List of Addenda
 Number
 Number
 Date
 of Pages
 Transmitted By

 Attachment 0061
 ENGINEERING SERVICES MEMORANDUM EN14-0006
 22-OCT-2013
 001
 EMAIL

Redactions per (b)(4), (b)(6), (b)(3)(A)(i) and Title 10 Sec.130 (a)(c) **ENGINEERING SERVICES MEMORANDUM** FORM \$H-31-00-04 U.S. ARMY AVIATION AND MISSILE COMMAND EN14-006 REDSTONE ARSENAL, ALABAMA 22 October 2013 ROJECT TITLE CONTRACT NO. JLENS/ N31P4Q-10-C-0003 ESTIMATED COMPLETION DATE OF ESM COST ACCOUNT 30 August 2014 DESCRIPTION OF PROPOSED WORK The Contractor shall evaluate existing II FNS The contractor shall design and develop a Operations (MO) interface component component will be developed separately from the JLENS tactical and design documentation will be contractor format only. The contractor shall perform engineering verification testing of the JLENS to demonstrate readiness for integration at the Government System Integration Lab (SIL). The contractor shall integrate the and support Government-led SIL testing to verify performance of the JLENS GOVERNMENT FURNISHED EQUIPMENT DATE REQUIRED RETURN DATE CONDITION OF RETURN To be specified in Sub-ESMs as required RESULTING DO CUMENTATION, HARDWARE, BENEFITS AND DELIVERY DATE To be specified in Sub-ESMs as required ESTIMATED COST \* \* \* THE FOLLOWING IS PROPRIETARY INFORMATION PROTECTED UNDER P. L. 100-679 \* \* \* "A" CHANGE "D" "C" CHANGE CHANGE DIRECT LABOR HOURS DIRECT LABOR & BURDEN S MATERIAL 5 S COMPTRISUBCIONTR LER \$ \$ S S \$ S TRAVEL & PER DIEM \$ 5 S 5 8 5 OTHER \$ 5 5 5 TOTAL 8 ESM MONITORS CMDS P.O.: CONCURRENCE SIGNATURES: DATE DATE ORIGINAL PHARZE REVISION REVISION REVISION REVISION REVISION ·E. EXPLANATION & ILENS W31P4Q-10-C-0003 MOD P00075

W31P4Q-10-C-0003 MOD P00075 ATTACHMENT 0061 1 OF 1 MAR 2 8 2014

## Redactions per (b)(6)

2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase	Reg No.	5. Project No	. (If applicable)
200075	APR 0 1 2014	SEE SCHEDUL	e .		
. Issued By	Code 931240	7. Administered By (If o	And the second second second second		Code   s22
ARMY CONTRACTING COMMAND REDSTONE		DOMA RAYTHEOR TE	VERBUEY		
REDSTONE ARSENAL AL 15898-5280	*	50 APPLE KILL DE K/S 12FR2	176		
ACCESSION NO 31876-1280		TENEGRURY NA 01	476-1298		
SMAIL:	, ,				
Name And Address Of Contractor (No., St	reet, City, County, State and	Zip Code)	9A. Amenda	ent Of Solicitatio	n No.
RAYTEEON COMPANY	*	-	-		
350 DOWELD ST ANDOVER, MA 01910-4600		1	9B. Dated (S	ce Item 11)	W
PARTIES RE GASAUTIONS	4	-			
			10A. Modifie	ation Of Contrac	t/Order No.
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ode 05716 Facility Code			10B. Dated (	See Item 13)	
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## CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 7

MOD/AMD P00076

PIIN/SIIN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

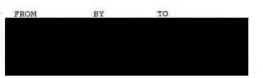
A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 62 EN14-04.

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS WILL BE EXERCISED. SLIN 0006AQ LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF AND THE LABOR HOURS ARE INCREASED BY SLIN 0006AR MATERIAL DOLLARS ARE INCREASED IN THE AMOUNT OF INCREASES ARE AS FOLLOWS.

SLIN 0006AQ (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



SLIN 0006AR (MATERIAL) PIRECT LABOR HOURS: IR LABOR & BURDEN MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$6,472,068.00 FROM \$39,703,486.00 TO \$46,175,554.00.

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AROUNT TO BE FUNDED IS

A-6 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0076 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00076

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS FY14 LABOR MATERIAL TOTAL PCL COST G&A TCL COM FEE CPFF HOURS HOURS DESCRIPTION LABOR EXERCISED REMAINING PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL DESCRIPTION MATERIAL EXERCISED ESTIMATED COST COM FIXED FEE TOTAL (End of narrative B007) 0006AQ PM/PI ESM EN14-04 LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: CLIN CONTRACT TYPE: PRON: 4M4J711300 PRON AMD: 01 Estimated Cost COM Fixed Fee Total ESM Description EN14-04 Labor COMPOSITE HOURLY RATE

CONTINUATION SHEET

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00076

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO QUANTITY UNIT PRICE SUPPLIES/SERVICES UNIT AMOUNT (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2014 0006AR LO PM/PI ESM EN14-04 Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: CLIN CONTRACT TYPE: PRON: 4M4J711300 PRON AMD: 01 ACRN: AU SLIN 0006AR DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL Estimated Cost COM Fixed Fee Total (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00076

Page 5 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO UNIT PRICE SUPPLIES/SERVICES QUANTITY UNIT AMOUNT 30-SEP-2014 001

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00076

Page 6 of 7

PIIN/SIIN W31P4Q-10-C-0003 Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/ ITEM GFEBS ATA 0006AQ 4M4J711300

0006AR 4M4J711300

OBLG STAT 2

2

JO NO/ ACCT ASSIGN A.0016122.1.2

A.0016122.1.2

AU AU

ACRN

PRIOR AMOUNT

NET CHANGE \$

INCREASE/ DECREASE 6,472,068.00

CUMULATIVE

TRUOMA

ACRN

ACCOUNTING CLASSIFICATION

UA 021 201420152040

A5XFJ 172419E55FPDG 2550 L035763846 A.0016122.1.2

INCREASE/ DECREASE 021001 \$ 6,472,068.00

NET CHANGE \$

6,472,068.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

AMOUNT

CUMULATIVE

OBLIG AMT

NET CHANGE FOR AWARD:

39,703,486.00

5,472,068.00

46,175,554.00

LINE

7006AR

ITEM 0006AQ

UA

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION AU

021 201420152040

021 201420152040 A5XFJ 172419E55FPDG 2550 L035763846 A.0016122.1.2

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CONTINUATION SHEET

Reference No. of Document Being Continued

Page 7 of 7

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00076

Number

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda of Pages Transmitted By Date

Attachment 0062 11-MAR-2014 ENGINEERING SERVICE MEMORANDUM EN14-04 EMAIL 002

	TION AND MILE ARSENAL		MAND	EN14-04 DATE  11 March 2	
ਲਮਵਰ ਜਾਹਵ Program Management/Program Infr	astructure (PM/F	PI) (Apr-Sep 14)	W31P4Q-	n. 10-C-0003	
STIMATED COMPLETION DATE OF ESM			COST ACCOU	WT .	
80 September 2014 ESCRIPTION OF PROPOSED WORK					
Provide program infrastructure no classified information systems run audits. Ensure readiness to supprocess security clearances, accepto security guidelines. This include maintenance support, tools, and it	ning and complic port ongoing JL ss/control to clas des Information licenses. Include	ant with all secu ENS efforts for sified areas and Systems Manag	rity procedures/re Raytheon and lenable classified gement, Informat	egulations, back-u the applicable S I areas to operate ion Systems Sec	ips, scans and subcontractors compliant curity, SW/HW
needed to support operations at U	ITH.			,	
	DATE REGI	URED RETUR	NDATE	CONDITION OF R	2
		UIRED RETUR			2
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CONCURRENCE SIGNATURES:

DATE

ORIGINAL ISSUE

REVISION

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TO

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TE

EXPLANATION OF REVISION:

JLENS W31P4Q-10-C-0003 MOD P00076 ATTACHMENT 0062 1 OF 2 APR 0 1 2014 Redactions per (b)(4)

000918

DESCRIPTION OF PROPOSED WORK (CONT)

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

-	_
PSM NO.	1
	100000
EN1A	-NA

The ESM scope provided herein is provided	to the Governm	nent under a L	evel of Effort basis;

Provider	Task Title	Cost (Hrs or \$K Sell)
IBM Maintenance, HW/SW Maintenance,	Maintain tactical and non tactical HW and SW	
Exercise Planning	Provide resources to continue planning for APG Exercise	
IDS Logistics Lead	Logistics Leadership beyond PHS&T and Training PoP (Jul-Sep)	
Program Management and Program Infrastructure	Support ESMs for April - September 2014 (IDS, SAS, IIS)	
Material Storage	Maintain stored hardware at depot facility	

MILESTONE PLAN (MEASURABLE TASKS ONLY)

NILESTONE START DATE END DATE MILESTONE START DATE END DATE

NSN 7540--01-152-8070

PREVIOUS EDITIONS UNUSABLE

0 (REV. 10-83)

AR (48 CFR) 53.243

### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00077

Page 2 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PHN/SHN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 63 EN14-02.

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS ARE EXERCISED. SLIN 0006AS LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF

AND THE LABOR HOURS ARE INCREASED BY SLIN 0006AT MATERIAL DOLLARS ARE IN INCREASED IN THE AMOUNT OF

THE INCREASES

ARE AS FOLLOWS

SLIN 0006AS (LABOR) DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL



SLIN 0006AT (MATERIAL)
DIRECT LABOR HOURS:
DIR LABOR & BURDEN
MATERIAL



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT VALUE WILL REMAIN UNCHANGED.

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$140,162.00 FROM \$46,175,554.00 TO \$46,315,716.00.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS



A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE EFFECT.

\*\*\* END OF NARRATIVE A0077 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00077

Page 3 of 7

Name of Offer	ror or Contracto	r: RAYTHEO	N COMPANY					
TEM NO			/SERVICES		QUANTITY.	UNIT	UNIT PRICE	AMOUNT
	SECTION B - ST	SERVICES AND PRICE	CES/COSTS					
0006	FY14 OPTION I	NS ENG SRVS						
	FY14 PCL COST	LABOR	MATERIAL	TOTAL				
	G&A TCL COM FEE					-		
	DESCRIPTION	LABOR	HOURS EXERCISED	HOURS REMAINING	±-			· ·
	PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL		BASACIOSD	REPORTING				
	DESCRIPTION ESTIMATED COST COM FIXED FEE TOTAL	MATERIA	EXERCISE	ED REMAIN	NG			
		(End of	narrative B008)		6			
0006AS					-	LO	Estimated Cost Pixed Fee Not to Exceed	\$ \$
	SERVICE REQUE CLIN CONTRACT Cost Plu PRON: 4M4J711	r TYPE: us Fixed Fe		I: AV			(Funding)	\$
	Estimated Cost COM Fixed Fee							
3	A.Z.	Description Labor	FY14 Hours					
	COMPOSITE HOUR							

CONTINUATION SHEET

Reference No. of Document Being Continued PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00077

Page 4 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
					[1]
		œ			¥1
	(End of narrative B001)				
	Inspection and Acceptance INSPECTION: Destination				,
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 28-SEP-2014				
	ş ·				
006AT		2.	го	Estimated Cost Fixed Fee Not to Exceed (Funding)	ss
	SERVICE REQUESTED: #16093 CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J711400 PRON AMD: 01 ACRN: AV			is alicens,	
	SLIN 0006AR FROM BY TO DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL				1
	Estimated Cost COM Fixed Fee Total	Ą			7
		*			
	(End of narrative B001)				
	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				116
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE				

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00077

Page 5 of 7

ITEM NO	551	PLIES/SERVI					AMOUNT	
	001		28-SEP-2014	QUANTITY	UNIT	UNIT PRICE		
			20.000.2017					
	\$					1		
				1				
				1				
						1		
		2:						
				1				
						1		
				1				
	-							
				1				
				1		1		
				1				
				1		4		
				-				

**CONTINUATION SHEET** 

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00077

INCREASE/

DECREASE

Page 6 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/ ITEM GFEBS ATA 0006AS 4M4J711400

0006AT 4M4J711400

OBLG STAT

2

JO NO/ ACCT ASSIGN

A.0016122.1.2

ACRN

VA

PRIOR AMOUNT

NET CHANGE

140,162.00

\$

AMOUNT

CUMULATIVE

ACRN

ACCOUNTING CLASSIFICATION

AV 021 201420152040

A.0016122.1.2

A5XFJ 172419E55FPDG 2550 L035764978 A.0016122.1.2

INCREASE/ DECREASE 140,162.00

NET CHANGE \$

140,162.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

AMOUNT

CUMULATIVE

OBLIG AMT

NET CHANGE FOR AWARD:

VA

46,175,554.00

140,162.00

46,315,716.00

LINE

ITEM 0006AS

7006AT

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION AV

021 201420152040 021 201420152040

A5XFJ 172419E55FPDG A5XFJ 172419E55FPDG

2550 L035764978 A.0016122.1.2 2550 L035764978 A.0016122.1.2 021001

021001

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

MOD/AMD P00077

24-MAR-2014

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Attachment 0063

ENGINEERING SERVICE MEMORANDUM EN-14-02

Number

001

Transmitted By

EMAIL

HAT I TEUN GUIRFART

Redactions per (b)(4), (b)(6), (b)(3)(A)(i) and Title 10 Sec.130 (a)(c) FORM 5H-31-00-04 **ENGINEERING SERVICES MEMORANDUM** 000926 U.S. ARMY AVIATION AND MISSILE COMMAND EN-14-02 DATE REDSTONE ARSENAL, ALABAMA 24 March 2014 PROJECT TITLE CONTRACT NO. W31P4Q-10-C-0003 COST ACCOUNT 28 September 2014 DESCRIPTION OF PROPOSED WORK Provide description and impact assessment cost and schedule for implementing software update. CONDITION OF RETURN GOVERNMENT FURNISHED EQUIPMENT DATE REQUIRED RETURN DAYE To be specified in Sub-ESMs as required RESULTING DOCUMENTATION, HARDWARE, BENEFITS AND DELIVERY DATE To be specified in Sub-ESMs as required ESTIMATED COST \* \* \* THE FOLLOWING IS PROPRIETARY INFORMATION PROTECTED UNDER P. L. 100-679 \* \* \* ORIGINAL ISSUE "A" CHANGE CHANGE CHANGE CHANGE CHANGE DIRECT LAD OR HOURS DIRECT LASOR & BURDEN S MATERIAL \$ \$ \$ COMPTRISU BCONTR LBR \$ S \$ 2 TRAVEL & PER DIEM 5 \$ \$ 5 3 \$ OTHER 5 TOTAL 5 ESM MONITIORS CMDS P.O.: CONCURRENCE SIGNATURE DATE DATE ORIGINAL 211/0/14 4MARIY ISSUE REVISION REVISION REVISION REVISION REVISION EXPLANATION OF REVISION:

> **JLENS** W31P4Q-10-C-0003 MOD P00077 ATTACHMENT 0063 1 OF 1 APR 0 2 2014

AMENDMENT OF SOLICITATI	ON OF CONTR	I. Centract		Page	1 Of a		
2. Amendment/Modification No.	4. Requisition/Purcha			No. (If applicable)			
6. Issued By ARMY CONTRACTING COMMAND-REDSTONE REDSTONE ARSENAL AL 35898-5280	Code W31P4Q	7. Administered By (If other than Item 6)  DCMA RAYTHEON TEWKSBURY 50 APPLE HILL DRIVE M/S T2FR2 TEWKSBURY MA 01676-1198					Code   \$2205
8. Name And Address Of Contractor (No., Stre	et, City, County, State and	Zip Code)		9A. Amendme	nt Of Solicitation	on No.	
RAYTHEON COMPANY 350 LOWELL ST ANDOVER, MA 01810-4460		_	9B. Dated (See	Item 11)			
			x	10A. Modifica	A cras habit	ct/Order N	0.
Code 05715 Facility Code				W31P4Q-10-C 10B. Dated (Se 2003MAR17			
	THIS ITEM ONLY APPLI	ES TO AMENDMENT	SOFE		e e		
may be made by telegram or letter, provided hour and date specified.  12. Accounting And Appropriation Data (Ifreq ACRN: AW NET INCREASE: \$3,026,940.0	uired)			2		eceived pri	or to the opening
A. This Change Order is Issued Pursuan	It Modifies The Contra	net/Order No. As Descr		Item 14.		th In Item	14 Are Made In
B. The Contract/Order No. In Item 10/ B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The A	r Is Modified To Reflect T		ges (suc	h as changes in	paying office,	appropriat	ion data, etc.) Se
C. This Supplemental Agreement Is Enter							
D. Other (Specify type of modification as	nd authority)					and the formula II	
E. IMPORTANT: Contractor is not, 14. Description Of Amendment/Modification (C		this document and retur			pies to the Issu		
SEE SECOND PAGE FOR DESCRIPTION	regamized by OCF Section in	readings, mending some	-	ontract subject	matter where	tensible.j	×
Except as provided herein, all terms and conditi	ions of the document refere					-51	in full force and
5A. Name And Title Of Signer (Type or		16A. Name An	o ritle (	II Contracting	HICEP LIVING	r nrint)	
NSN 7540 0 7 452 2070	4/15/14					1	Date Signed   15/14
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE		30					(REV. 10-83) (48 CFR) 53.243

### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00078

Page 2 of 6

PHN/SHN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION (POCO78) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION, THE FOLLOWING BILLING INSTRUCTIONS ARE INCORPORATED IN THE SUBJECT CONTRACT.

A-3 BY EXECUTION OF THIS MODIFICATION CLIN 0006 FOR PHS&T EFFORT UNDER ESM EN13-11, IS TO BE INVOICED UNDER THE FOLLOWING SLINS:

SLIN 0006AE AMOUNT: ESM13-11 & REV "B" SLIN 0006AF AMOUNT: ESM13-11 & REV "B" SLIN 0006AG AMOUNT: ESM13-11 REV "A" SLIN 0006AH AMOUNT: ESM13-11 REV "A" SLIN 0006AU AMOUNT: ESM13-11 REV "C"

THE SLINS FOR FUNDING/BILLING PURPOSES CAN BE COMBINED AS FOLLOWS:

SLIN 0006AE AND SLIN 0006AG FOR LABOR PURPOSE SLIN 0006AF AND SLINS 0006AH AND 0006AU FOR MATERIAL PURPOSE.

A-4 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCORPORATED IN SECTION J AS ATTACHMENT 64 EN13-11 REV C.

.-5 BY EXECUTION OF THIS MODIFICATION SLIN 0006AU MATERIAL DOLLARS IS ESTABLISHED AND INCREASED BY

AS FOLLOWS:

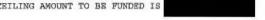
SLIN 0006AU (MATERIAL) DIRECT LABOR HOURS: DIR LABOR & BURDEN



A-6 A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$3,026,940.00 FROM \$46,315,716.00

A-7 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED.

A-8 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS



A-9 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0078 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00078

Page 3 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS LABOR MATERIAL TOTAL FY14 PCL COST G&A TCL COM FEE CPFF HOURS HOURS EXERCISED REMAINING DESCRIPTION LABOR ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL MATERIAL REMAINING DESCRIPTION ESTIMATED COST COM FIXED FEE TOTAL (End of narrative B009) 0006AU EN13-11C LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #15958 PHS&T CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J711600 PRON AMD: 01 ACRN: AW SLIN 0006AR DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL Estimated Cost COM Fixed Fee Total

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00078

Page 4 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT (End of narrative B001) Inspection and Acceptance ACCEPTANCE: Destination INSPECTION: Destination Deliveries or Performance DLVR SCH PERF COMPL QUANTITY REL CD DATE 30-SEP-2014

000931 Redactions per (b)(4)

CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00078

Page 5 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/

AMS CD/

LINE MIPR/ ITEM GFEBS ATA

OBLG

0006AU 4M4J711600

2

STAT ACCT ASSIGN A.0016122.1.2

JO NO/

ACRN AW

PHN/SHN W31P4Q-10-C-0003

PRIOR AMOUNT

INCREASE/ DECREASE

CUMULATIVE

AMOUNT

NET CHANGE

3,026,940.00

INCREASE/

AW

ACRN ACCOUNTING CLASSIFICATION

021 201420152040

A5XFJ 172419E55FPDG 2550 L035799616 A.0016122.1.2

021001 \$\_

DECREASE 3,026,940.00

NET CHANGE \$

3,026,940.00

PRIOR AMOUNT

OF AWARD

INCREASE/DECREASE

CUMULATIVE OBLIG AMT

THUONA

NET CHANGE FOR AWARD:

46,315,716.00

3,026,940.00

49,342,656.00

LINE

ITEM

ACRN EDI/SFIS ACCOUNTING CLASSIFICATION

0006AU AW 021 201420152040 A5XFJ 172419E55FPDG

2550 L035799616 A.0016122.1.2

021001

CONTINUATION SHEET

#### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00078

Page 6 of 6

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda Title Date of Pages Transmitted By

Attachment 0064 ENGINEERING SERVICES MEMORANDUM EN13-11 REV "C" 21-MAR-2014 003 EMAIL

Redactions per (b)(4), (b)(6)

FORM 9H-31-00-04

000933

### **ENGINEERING SERVICES MEMORANDUM**

U.S. ARMY AVIATION AND MISSILE COMMA REDSTONE ARSENAL, ALABAMA	ND	EN13-11C DATE  March 21, 2014	
Exercise System Maintenance & Packaging, Handling, Storage, and Transportation, Realignments	W31P4Q-10	-C-0003	
30 September 2014	COST ACCOUNT		
DESCRIPTION OF PROPOSED WORK			

The contractor shall provide necessary manpower to maintain, secure and care for stored JLENS Hardware from Utah Test and Training Range (UTTR) to include Government furnished equipment required to displace and emplace the system. This period of performance shall begin on 1 Oct 2013.

The contractor shall ship stored HW to Aberdeen Proving Ground (APG), MD when directed.

Assumes equipment to be stored is packaged and stored at Echo Site at UTTR.

Assumes equipment to be transported to APG is packaged and ready for transport.

Storage support ends July 2014.

Helium skid recertification will be performed during this POP.

The contractor shall maintain SuS in flyable storage configuration until direction is provided to displace and pack the system. Excludes resources required to conduct any missions.

DATE REQUIRED

RETURN DATE

#### Cont'd

		, HARDWARE, BEN		DELIVERY DATE				
To be specifie	d in Sub-E	BMs as required						
ESTIMATED COST	т	* * * THE F	OLLOV	VING IS PRO	PRIETARY INFO	RMATION PRO	TECTED UNDER P. L.	. 100-679 ***
	_	ORIGINAL		"A" CHANGE	CHANGE	CHANG	"0"	"E"
DIRECT LABOR H	HOURS				0.11112		-	
DIRECT LABOR	& BURDEN		5		\$	5	0	\$
IATERIAL	7		5		5	5	3	5
OMPTR/SUMBCOM			8		\$ \$	\$	5	1
RAVEL & PIER OF	IEM T		5		5	8	5	5
TOTAL	-		10			10		
SM MONITORS	Ray	hean	5	i	5	MDS P.O.	J 6	] \$
	Ray IOS:	hean			o	MDS P.O.:	990 1107 015101	
ONCURRENICE S	Ray IOS:						PROJECT OFFICE	DATE
ORIGINAL ISSUE	Ray IOS:	hean			o		PROJECT OFFICE	
ONCURRENCE S ORIGINAL ISSUE REVISION	Ray IOS:	hean			o		PROJECT OFFICE	
ONCURRENCE S ORIGINAL ISSUE REVISION 'A' REVISION 'B'	Ray IOS:	hean			o		PROJECT OFFICE	DATE
REVISION 'A' REVISION B'	Ray IOS:	hean			DATE		PROJECT OFFICE	

W31P4Q-10-C-0003 MOD P00078 ATTACHMENT 0064 1 OF 3 APR 1 5 2014

# Redactions per (b)(3) ENGINEERING SERVICES MEMORANDUM

FORM 5H-31-00-04

			*	EN13-11C	
SCRIPTION OF PROPOSED WORK (CON'T)					
SuR Repairs: The contractor shall repair the			las o	lirected on 17 Janu	ary, 2014
<ul> <li>Once cost and deliv</li> </ul>	2 components a obtain updated ery is complete	pproval from JF cost and delive spares purchas	ry schedule for parts consu		
<ul> <li>A joint review needs start-up procedure p</li> </ul>	to be conducte prior to executing	d between the ( this procedure	Sovernment and Raytheon	to gain concurrence	
IFF Government Testing and The contractor shall provide supervision, and other service	the necessary p	ersonnel, equip	oment, supplies, transportat	ion, tools, materials	S.
The Government will supply	tne necessary to	est targets and	coordination with all govern	ment agencies.	
The contractor shall ensure managed. Services that are - Mission Preparation	seen as essenti	al to the succes		ces it provides are	effectively
<ul> <li>Data gathering, redu</li> <li>o Ensure tracks are</li> </ul>	recorded on ta	rget aircraft			
o Ensure Idata o Ensure o Reduction of neo o Reduced data wil	data is reco	orded at SuS an	mat		
The contractor will conduct			,		
The contractor shall provide	a Logistics Lead	d.			
The Contractor shall Provide Program Trave The ESM scope provided he	el and Support o	of SIL Infrastruct	tures is included.		
Cont'd	,				
	*		4		
	4				
ONE PLAIN (MEASURIABLE TASKS ONLY) MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE

# Redactions per (b)(4) ENGINEERING SERVICES MEMORANDUM

	The second secon	
Provider PISC PHSAT	Task Title	Cost (Hrs or \$K Sell
HISET	Perform the following tasks: - shipping/receiving of helium skids during recertifications - procurement of consumables (including Helium Gas (HeG)) - ISO container recertifications - daily PHS&T site activities - maintaining inventory and database/MMIS During the one site operations and one site storage period, the PHS&T team shall also complete pre-emplacement activities to ready and prepare the system prior to Abundan Proving Ground (APG) arrival. The PHS&T must ensure all packaging paperwork is in order and create transportation paperwork, ready additional required rentals and consumables.  POP Jan 1, 2014 – July 2014	8,754 hrs
ATSC / Miscellaneous	HTSC Cell Services, MMIS, Lease vahicles and Travel	
Consumables	HW Consumables and Helium Re-certifications for pressure vessel test and Helium Gas.	
Supply Chain	Supply Chain Services to maintain Supplier and IOT SOWs and all Vendor services (previously removed in error Mod A)	
Vendors	Shipping and Rentali	
Echo Flyable Storage	Maintain Echo site in Flyable Storage configuration until directed RTSC , IDS, TCOM	8,372 hrs
SuR Repairs	Repairs to SuS as needed. Replenishment of Spares (IDS, SAS)	2,382 hrs
DS Program Travel	Program travel as needed	
Maintenance, W/SW Mamtenance,	Maintain tactical and non tactical HW and SW	
DS HW	Provide Storage planning and PMCS Maintenance Checks	1,257 hrs
DS Lead	Half-time task leadership per JPO request	1032 hrs
PM\PI	Support ESMs for October 2013 - Merch 2014 (IDS, SAS, IIS)	13,825 hrs
FF Testing & Sov Support	Analyze STRs and incorporate fixes into SW. Conduct missions appropriate to support verification. Conduct additional measurements to support 1494 (IDS, SAS, Solipsys, TCOM)	2,745 hrs

	N	ew Mod	C	SubTotal	
Tesk	Material	Travel	Labor	Labor Hrs (IDS only)	
PHS&T Mod A Subtota!					
SuR Repairs					
IIS Suppty Chain					
PMPI w/ Exercise Planning					
Echo Flyable Storage					
IFF/RFA Test Support					
PHS&T Mod B Subtotal					
Total Mod C Total					

START DATE END DATE

AMENDMENT OF SOLICITAT			1. Contract ID Code	ree
2. Amendment/Modification No.	3. APR tiv1 Date 2014	4. Requisition/Purchase Req	No. 5. Pro	eject No. (If applicable)
. Issued By	Code W31P40	7. Administered By (If other	than Item 6)	Code \$2205
REDSTONE ARSENAL AL 35898-5280		DCMA RAYTHBON TEWKS 50 APPLE HILL DRIVE M/6 T2FR2 TEWKSBURY MA 01876		1
		12MABORI PA VIETO	-1130	97
Name And Address Of Contractor (No., Stre	et, City, County, State and I	Zip Code)	9A. Amendment Of So	licitation No.
350 LOWELL ST ANDOVER, MA 01810-4400			9B. Dated (See Item 1)	1)
		×	10A. Modification Of	Contract/Order No.
			W31P40 10 C-0003	11)
ode 05716 Facility Code			10B. Dated (See Item )	13)
	THIS ITEM ONLY APPLA	IES TO AMENDMENTS OF S	*13 15 15 15 15 15 15 15 15 15 15 15 15 15	
(a) By completing items 8 and 15, and return offer submitted; or (c) By separate letter or ACKNOWLEDGMENT TO BE RECEIVE SPECIFIED MAY RESULT IN REJECTIO may be made by telegram or letter, provided hour and date specified.  Z. Accounting And Appropriation Data (If reg ACRN. AX NET INCREASE: \$4,862,391.	telegram which includes a r D AT THE PLACE DESIGN N OF YOUR OFFER. If b I each telegram or letter ma (uired) 00 S ITEM ONLY APPLIES T	reference to the solicitation and NATED FOR THE RECEIPT by virtue of this amendment you akes reference to the solicitation TO MODIFICATIONS OF CO	amendment numbers. OF OFFERS PRIOR To desire to change an off and this amendment, a	O THE HOUR AND DATE fer already submitted, such change
A. This Change Order is Issued Pursua	nt To:	act/Order No. As Described In		Set Forth In Item 14 Are Made In
B. The Above Numbered Contract/Orde Forth in Item 14, Pursuant To The	er Is Modified To Reflect T		ch as changes in paying	office, appropriation data, etc.) Se
C. This Supplemental Agreement is En	tered Into Pursuant To Aut	harity Of:		
D. Other (Specify type of modification a	and authority) Exercise	Option		
IMPORTANT: Contractor is not,	is required to sign	this document and return	coples to	the Issuing Office.
. Description Of Amendment/Modification (	Organized by UCF section I	headings, including solicitation/	contract subject matter	where feasible.)
SEE SECOND PAGE FOR DESCRIPTION				
THE POR TOR DESCRIPTION				
	•			
ccept as provided herein, all terms and condi-	tions of the document refer	enced in item 9A or 10A, as her	etofore changed, remai	ns unchanged and in full force and
fect.  A. Name: And Title Of Signer (Type of		16A. Name And Title	Of Contracting Officer	(Type or print)
	15C. Date Signed			16C. Date Signed
	14/17/1	4		4/17/14
SN 7540 01-152-8070		30		4 30 (REV. 10-83)
REVIOUS EDITIONS UNUSABLE				FAR (48 CFR) 53

COMPUTATION OF CHEST	Reference No. of Document Be	ing Continued	Page 2 of 6
CONTINUATION SHEET	PIIN/SIIN W31P40-10-C-0003	MOD/AMD P00079	
Name of Offeror or Contractor: RAYTHEON CO	PARPY		
ECTION A - SUPPLEMENTAL INFORMATION		*7	
uyer Nane:			
uyer Office Symbol/Telephone Number:			
ype of Contract: Cost Plus Fixed Fee			
ind of Contract: Service Contracts			
ype of Business: Large Business Performin	g in U.S.		
urveillance Criticality Designator: A			(4)
-1 THE FURPOSE OF THIS MODIFICATION (POGG	*** End of Narrative A0000 *** 79) IS TO INCORPORATE THE FOLLOWING IN	TO CONTRACT NUMBER W31P4Q-	10-C-0003.
	79) IS TO INCORPORATE THE POLICHING IN		
-2 BY EXECUTION OF THIS MODIFICATION THE	79) IS TO INCORPORATE THE FOLIONING IN FOLLOWING ENGINEERING SERVICE MEMORAND FOLLOWING SLINS WILL BE EXERCISED. SLI	UM IS INCOPORATED IN SECTI	ON J AS ATTACHMENT 65 EN14-0
-2 BY EXECUTION OF THIS MODIFICATION THE -3 BY EXECUTION OF THIS MODIFICATION THE AND THE LABOR HOURS ARE INCREAS	79) IS TO INCORPORATE THE FOLIONING IN FOLLOWING ENGINEERING SERVICE MEMORAND FOLLOWING SLINS WILL BE EXERCISED. SLI	UM IS INCOPORATED IN SECTI	ON J AS ATTACHMENT 65 EN14-0
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A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$4,862,391.00 FROM \$49,342,656.00 TO \$54,205.047.00

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE PUNDED IS

A-7 SXCE PT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0079 \*\*\*

Page 4 of 6 Reference No. of Document Being Continued CONTINUATION SHEET PHN/SIIN #31P4Q-10-C-0003 MOD/AMD P00079 Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2014 0006AW MATERIAL ESM14-07 ro COSE Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #15960 ORBIT 1 DISPL CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J711800 PRON AMD: 01 ACRN: AX SLIN GOOGAN DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL Estimated Cost COM Pixed Fee Total (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERP COMPL REL CD QUANTITY DATE 30-SEP-2014 001

CONTINUATION SHEET

Reference No. of Document Being Continued
Page 3 of 6

PIIN/SIIN #31P4Q-10-C-0003 MOD/AMD P00079

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO QUANTITY UNIT UNIT PRICE AMOUNT SUPPLIES/SERVICES SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS PCL COST GEA TCL COM PEE CPFF HOURS HOURS EXERCISED REMAINING DESCRIPTION LABOR PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL EXERCISED MATERIAL DESCRIPTION ESTIMATED COST FIXED FEE TOTAL (End of narrative B010) LO Estimated 0006AV LABOR HOURS 55M-14-07 Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: \$15960 ORBIT 1 DISPL CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J711800 PRON AMD: 01 ESTIMATED COST COM PIXED PEE TOTAL DESCRIPTION ESM COMPOSITE HOURLY RATE (End of narrative B001)

Reference No. of Document Being Continued Page 5 of 6 CONTINUATION SHEET PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00079 Name of Offeror or Contractor: RAYTHEON COMPANY SECTION G - CONTRACT ADMINISTRATION DATA PRON/ AMS CD/ LINE MIPR/ OBLG JO NO/ INCREASE/ CUMULATIVE ACCT ASSIGN ITEM GFEBS ATA STAT ACRN PRIOR AMOUNT DECREASE AMOUNT DOOGAV 4M4J711800 A.0016122.1.2 AX 0006AW 4M4J711800 A.0016122.1.2 NET CHANGE .\$ 4,862,391.00 INCREASE/ ACCOUNTING CLASSIFICATION DECREASE ACRN ASXFJ 172419E55FPDG AX 021 201420152040 2550 L035636449 A.0016122.1.2 021001 S 4,862,391.00 NET CHANGE S INCREASE/DECREASE CUMULATIVE PRIOR AMOUNT OF AWARD AMOUNT OBLIG AMT NET CHANGE FOR AWARD: 4,862,391.00 54.205,047.00 49,342,656.00 LINE ITEM ACRN EDI/SFIS ACCOUNTING CLASSIFICATION 0005AV AX 021 201420152040 A5XFJ 172419E55FPDG 2550 L035838449 A.0016122.1.2 021001 021001 0005AW A5XFJ 172419E55FPDG 2550 L035838449 A.0016122.1.2 AX 021 201420152040

Reference No. of Document Being Continued Page 6 of 6 CONTINUATION SHEET PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00079 Name of Offerer or Contractor: RAYTHEON COMPANY SECTION J - LIST OF ATTACHMENTS List of Addenda Transmitted By Title Attachment 0065 ENGINEERING SERVICES MEMORANDUM EN14-07

04-APR-2014

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EMAIL

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ENGINEERING SERVICES MEMOR	MUUMAA
S. ARMY AVIATION AND MISSILE COMMAND	EN14-07
DEDCTONE ADCENAL ALABAMA	DATE

U.S. AR	MY AVIA	TION AN	D MISS	LE CON	MAN	)	EN14-07	
F	REDSTON	E ARSE	NAL, AL	ABAMA			DATE	
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Orbit 1 Displacement						W31P4Q-1		
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30 September 2014								
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JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003-P00079 ATTACHMENT I OF 2

### **ENGINEERING SERVICES MEMORANDUM**

FORM \$H-31-04-05

EN14-07

#### DESCRIPTION OF PROPOSED WORK ICONTO

- Maintain log books and configuration management for tactical equipment at Echo site.
- Perform system scans and installs software patches while power is maintained.
- . Maintain access lists and classified inventory for Echo site.
- · Retain office/work space.
- . Maintain/monitor Environmental Health and Safety (EH&S) Compliance Calendar action items for Echo site.
- Maintain watch standers who will monitor magneholic pressure of the aerostat, tension on the mooring lines at the
  Mobile Mooring Station (MMS) and check the Power Control and Distribution System (PCDS) on an as needed basis
  and perform other safety and security functions as part of the watch stander role.
- Maintain minimum site personnel to perform platform maintenance and be able to help resolve emergency situations.

The contractor shall displace the SuS system to best commercial packaging, to include inventory and packup prior to shipment to APG. Effort shall include all Labor, Materials, and Other Direct Costs (ODC) required to properly displace the system into best commercial packaging.

The contractor shall plan, resource and implement the displacement and packing of the Fire Control System (FCS) at Utah Test and Training Range (UTTR) Defin site. The contractor shall disassemble the system and place into best commercial packaging to include inventory, pack-up, and storage until ready for shipment to Aberdeen Proving Ground (APG). A detailed inventory will be conducted that provides system assets by location and identifies system non-conformances (NC). The contractor shall identify the resources needed to conduct this displacement to include GFE, rental equipment, materials, and consumables. The contractor shall provide the government with a detailed plan of displacement that will include all Labor, Materials, and Other Direct Costs (ODC) required to properly displace the system and place into best commercial packaging. The Contractor shall be responsible for the following activities:

- · Perform PMCS on the tactical hardware at Delta site.
- · Maintain log books and configuration management for tactical equipment at Delta site.
- · Maintain access lists for Delta site.
- . Maintain/monitor Environmental Health and Safety (EH&S) Compliance Calendar action items for Delta site.

Task Description	Region of Barins	mance Herry		- 10		
ne Plan (measurable Tasks O'R Y)	*					
NE PLAN (MEASURABLE TABKS ONLY) MLESTONE	START DATE	ENC DATE	MH.EST	TONE	STANT DATE	EM EM

JLENS CONTRACT MODIFICATION W31P4Q-10-C-0003-P00079 ATTACHMENT 1 OF 2

AMENDMENT	OF SOLICITAT	TON/MODIFICAT	TON OF CONTRAC	T I. Contrac	ID Code	Page 1 Of 7
2. Amendment/Modif	ication No.	J. Effective Date	4. Requisition/Purchase R	eq No.		No. (If applicable)
6. Issued By		Cede   W31940	T Administrand D. (15 a)			Code S2205
ARMY CONTRACTI	NG COMMAND-REDSTONE		DOMA RAYTHEON TEN	KSBURY		
			50 APPLE HILL DR	VE		
REDSTONE ARSEN	AL AL 35898-5280		M/S T2PR2			
			TEWKSBURY MA 018	75-1198		
EMAIL:		7				
. Name And Address	Of Contractor (No., Str.	eet, City, County, State and	d Zip Code)	9A. Amender	ent Of Solicita	tion No.
RAYTHEON COMPA	NY		_	4		
350 LOWELL ST				9B. Dated (S	ea Item 11)	
ANDOVER, MA 01	810-4400			7B, Dated (3	ce nem 11)	
			[x	10A. Modific	ation Of Conf	ract/Order No.
			L	· ·		
				W31P4Q-10-	<del>(8)</del>	
Code 05716	Facility Code			10B. Dated (:	See Hem 13)	
.00€ 05716						
	11.	THIS ITEM ONLY APPL	LIES TO AMENDMENTS OF	SOLICITATIO	ens .	
The above numb	ered solicitation is amen	ded as set forth in item 14.	The hour and date specified	for receipt of Off	ers	
is extended	is not extended.					
Offers must acknow	wledge receipt of this am	endment prior to the hour	and date specified in the solic	itation or as ame	nded by one of	the following methods:
	tems 8 and 15, and retur		of the amendments: (b) By ac			
offer submitted; or	(c) By separate letter or	telegram which includes a	reference to the solicitation a	nd amendment n	umbers. FAIL	URE OF YOUR
			GNATED FOR THE RECEI			
			by virtue of this amendment nakes reference to the solicita			
hour and date spec		a caci icickiani ni icitei n	nakes reference to the solicina	iou and this ame	noment, and is	tereived brior to me obenini
2. Accounting And A	ppropriation Data (If re-	quired)				
ACRN : AY NET I	NCREASE: \$164,426.00	)				
	13. THI	IS ITEM ONLY APPLIES	TO MODIFICATIONS OF	CONTRACTS/O	RDERS	
			traci/Order No. As Described			
	e Order is Issued Pursua act/Order No. In Item 16		41	The	Changes Set Fo	orth In Item 14 Are Made In
B. The Above	Numbered Contract/Ord		The Administrative Changes b).	such as changes	in paying office	e, appropriation data, etc.) Se
C. This Supple	mental Agreement Is En	tered Into Pursuant To Au	thority Of:			
D. Other (Spec	cify type of modification	and authority)				64-50
, IMPORTANT:	Contractor is not	wis required to sign	a this document and return_		copies to the Is	suing Office
The second secon			headings, including solicitati			
8						
SEE SECOND PAG	E FOR DESCRIPTION					
cept as provided he	rein, all terms and condi	tions of the document refe	reaced in item 9A or 10A, as	eretofore change	ed, remains un	changed and in full force and
fect.						
A P			16A. Name And Ti	le Of Contractin	g Officer (Type	e or print)
B. (		15C. Date Signe	d			C. Date Signed
						7 - 7
_		5/8/14				5/8//
		. ,	-			101.
SN 75443-01-152-807		14231 - University of the 17100	30-			(REV. 10-83)
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#### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00080

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION (POOO80) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 66 EN14-003A.

BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS WILL BE EXERCISED. SLIN 0006AX LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF AND THE LABOR HOURS ARE INCREASED BY SLIN 0006AY MATERIAL DOLLARS ARE INCREASED IN THE AMOUNT OF ARE AS FOLLOWS:

SLIN 0006AX (LABOR) FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL SLIN 0006AY (MATERIAL FROM DIRECT LABOR HOURS. DIR LABOR & BURDEN MATERIAL TOTAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$164,426.00 FROM \$54,205,047.00 TO \$54,369,473 - 00

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0080 \*\*\*

Redactions per (b)(4)

CONTINUATION SHEET

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00080

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS FY14 LABOR MATERIAL PCL G&A TCL COM FEE HOUR DESCRIPTION LABOR REMAINING PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL HOURS HOURS DESCRIPTION MATERIAL EXERCISED REMAINING EST COST COMM FIXED FEE TOTAL (End of narrative B011) 0006AX LO LABOR HOURS EN14-003A Estimated Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #16130 ADDL PROPOSAL CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J712100 PRON AMD: 02 ACRN: AY PSC: 6625 SLIN 0006AX DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST FIXED FEE TOTAL

**CONTINUATION SHEET** 

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD POODBO

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO QUANTITY UNIT PRICE AMOUNT SUPPLIES/SERVICES UNIT FY14 HOURS DESCRIPTION EN14-003A LABOR COMPOSITE HOURLY RATE (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance PERF COMPL DLVR SCH REL CD QUANTITY DATE 30-SEP-2014 0006AY LO MATERIAL ESM14-003A 1 Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #16130 ADDL PROPOSAL CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J712100 PRON AMD: 02 ACRN: AY PSC: 6625 FROM SLIN 0006AY BY DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST FIXED FEE TOTAL (End of narrative B001) Inspection and Acceptance

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00080

Page 5 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY QUANTITY ITEM NO UNIT UNIT PRICE AMOUNT SUPPLIES/SERVICES INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2014

000049 Reference No. of Document Being Continued Page 6 of 7 CONTINUATION SHEET PIIN/SIIN W31F4Q-10-C-0003 MOD/AMD P00080 Name of Offeror or Contractor: RAYTHEON COMPANY SECTION G - CONTRACT ADMINISTRATION DATA PRON/ AMS CD/ LINE CUMULATIVE MIPR/ INCREASE/ OBLG JO NO/ PRIOR AMOUNT AMOUNT ITEM GFEBS ATA STAT ACCT ASSIGN ACRN DECREASE 0006AX 4M4J712100 A.0016122.1.2 AY 0006AY 4M4J712100 AY 2 A.0016122.1.2 NET CHANGE 164,426.00

ACRN ACCOUNTING CLASSIFICATION

AY 021 201420152040 ASXFJ 172419E55FPDG 2550 L035946181 A.0016122.1.2

BECREASE

102162.000

NET CHANGE \$ 164,426.00

PRIOR AMOUNT INCREASE DECREASE CUMULATIVE
OF AWARD AMOUNT OBLIG AMT

NET CHANGE FOR AWARD: \$ 54,205,047.00 \$ 164,426.00 \$ 54,369,473.00

 CONTINUATION SHEET

#### Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00080

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Attachment 0066

Addenda

Date

Number

of Pages

001

EMAIL

Transmitted By

ENGINEERING SERVICES MEMORANDUM EN14-003A

23-APR-2014

				-0 111	EMOF	ESM NO.	
U.S. A			ISSILE CO			EN14-0	03A
						23 Apr 14	
PODOSAL Proporation	EV14				CONTRACT NO.	10-C-0003	
roposal Preparation	OF ESM				COST ACCOUN		-
30 Sep 2014							
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GOVERNMENT FURNIS	HED EQUIPMENT	DATE REC	DURED RET	TURN DATE	T	CONDITION OF R	ETURN
o be specified in Sub-ESN	ts as required						,
STIMATED COST	** * THE FOLI	LOWING IS PRO	PRIETARY INF		N PROTEC	TED UNDER P. L	. 100-679 * * * CHANGE
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AMENDMENT OF SOLICITATI		·	i. Contract!	Fixed Fee	Page 1 Of 7	
2. Amendmen/Modification No.	MAY 1 4 2014	4. Requisition/Purchase Req	No.	5. Project N	o. (If applicable)	
6. Issued By  ARMY COMPANDAME COMMAND-REDSTONE  REDSTONE ARSENAL AL 35898-5280	Code   w3124Q					
		TEWKSBURY MA 01876	1198			
Name And Address Of Contractor (No., Stree RAYTHEON COMPANY	et, City, County, State and	Zip Code)	9A. Amendmer	nt Of Solicitati	on No.	
ANDOVER, MA 01810-4400			9B. Dafed (See			
		X	W3194Q-10-C-	-TOO STARTS	ct/Order No.	
	West 1811 1811 1811		10B. Dated (Se			
ode 05716 Facility Code			2003MAR17			
t1.7	THIS ITEM ONLY APPLI	ES TO AMENDMENTS OF SC	DLICITATION	S		
hour and date specified.  2. Accounting And Appropriation Data (If req ACRN: AZ NET INCREASE: \$166,103.00		O MODIFICATIONS OF CO	STD ACTOMOR	AED6		
13. 17113		act/Order No. As Described In		JEKS		
A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10.			The Ch	anges Set For	th in Item 14 Are Made In	
B. The Above Numbered Contract/Orde Forth In Item 14, Pursuant To The A			h as changes in	paying office,	sppropriation data, etc.) Se	
C. This Supplémental Agreement Is Ente	ered Into Pursuant To Auth	nority Of:				
D. Other (Specify type of modification as	nd authority) Exercise	Option				
IMPORTANT: Contractor is not,		his document and return	The second second second second	pies to the Issu		
I. Description Of Amendment/Modification (C	rganized by UCF section h	eadings, including solicitation/c	ontract subject	matter where	feasible.)	
SEE SECOND PAGE FOR DESCRIPTION						
	160					
eccpt as provided herein, all terms and conditi	ous of the document refere	nced in item 9A or 10A, as here	tofore changed.	, remains unch	anged and in full force and	
Sect.		16A Name And Title (	If Contracting !	Officer /Type (	or print)	
	15C. Date Signed	- 经报			Date Signed	
	5/14/14				1/4/	
SN 7540-01-152-8070		30			(REV. 10-83)	

Type of Contract: Cost Plus Fixed Fee Kind of Contract: Service Contracts

Surveillance Criticality Designator: A

Type of Business: Large Business Performing in U.S.

CONTINUATION SHEET

Reference No. of Document Being Continued
Page 2 of 7

PIN/SIN W31P4Q-10-C-0003 MOD/AMD P00081

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

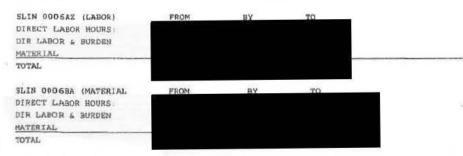
Buyer Name:
Buyer Office Symbol / Telephone Number:

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION (PODO81) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCOPORATED IN SECTION J AS ATTACHMENT 67 EN13-

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS WILL BE EXERCISED. SLIN 0006BZ LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF THE INCREASES ARE SOLIOWS:



A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$166,103.00 FROM \$54,369,473.00 TO \$54,535,576.00

A-S AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0081 \*\*\*

ESTIMATED COST

COM FIXED FEE TOTAL

3 01 7 Reference No. of Document Being Continued CONTINUATION SHEET PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD PO0081 Name of Offeror or Contractor: RAYTHEON COMPANY QUANTITY ITEM NO SUPPLIES/SERVICES UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS LABOR MATERIAL PYY4 9CL GLA TCL COM CPFF REMAINING EXERCISED PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL. HOURS HOURS DESCRIPTION MATERIAL EXERCISED EST COST COMM FIXED FEE TOTAL (End of narrative B012) 0005AZ EN13-068 Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #16384 GSIL SPT ESM CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J712000 PRON AMD: 01 PSC: 4970 SLIN GOOGAZ FROM TO BY DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00081

Page 4 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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Redactions per (b)(4) 000956 Page 5 of 7 Reference No. of Document Being Continued CONTINUATION SHEET PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD PODOBL Name of Offerer or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance PERF COMPL REL CD 001

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CONTINUATION SHEET

Reference No. of Document Being Continued

Page 7 of 7

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00081

Name of Offerer or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of Addenda Attachment 0067

ENGINEERING SERVICE MEMORANDUM EN13-048

Number

23-APR-2014

of Pages Transmitted By

001 EMAIL

## **ENGINEERING SERVICES MEMORANDUM**

FORM 5H-31-00-04

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SECT TITLE				CONTRACT NO	23 Apr 14	
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TEMATED COMPLE	TION DATE OF ESM			COST ACCOUNT		
6 Septemb	er 2014			1		
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P000M2	3. Effective Date	4. Requisition/Purci	No. 5. Project No. (If applicable				
	MAY 3 8 2014	SER SCH	RDULE				
6. Issued By	Code   W31P4Q	7. Administered By		than Item 6)		Code	522053
ARMY CONTRACTING COMMAND-REDSTONE	***************************************	DONA RAYTHEO	N TENK	BURY			9-11-
REDSTONE ARSENAL AL 35898-5280	_	SO APPLE HIL M/S T2FR2 TEWKSBURY MA					
Name And Address Of Contractor (No. Str.	est City County State 4		-		. O. E. W. (1-1)		
8. Name And Address Of Contractor (No., Stre	eet, City, County, State and	Zip Code)		9A. Amendme	at Of Solicitati	on No.	
RAYTHEON COMPANY 350 LOWELL ST	*						
ANDOVER, MA 01610-4400				9B. Dated (See	Item 11)		
	*		×	10A. Modifica	tion Of Contra	ct/Order No.	
			-	W31P4Q-10-C	-0003		
			1	10B. Dated (Se	ee Item 13)		
Code 05716 Facility Code				2003MAR17	ian.		
11.  The above numbered solicitation is among	THIS ITEM ONLY APPLI						
ACRN: BB NET INCREASE: \$2,029,587.	IS ITEM ONLY APPLIES T It Modifies The Contr				DERS		
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A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$2,029,587.00 FROM \$54,535,576.00 TO \$56,565,163.00

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE AGOR1 \*\*\*

Page 1 of 7 Reference No. of Document Being Continued **CONTINUATION SHEET** PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD POOD82 Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE **AMOUNT** SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 PY14 OPTION PERIOD JLENS ENG SRVS LABOR MATERIAL FY14 PCL GEA TCL PEE HOUR DESCRIPTION LABOR EXERCISED REMAINING PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL HOURS HOURS DESCRIPTION MATERIAL REMAINING EXERCISED EST COST COMM PIKED PEE TOTAL (End of narrative B013) D006BB LABOR EN14-08 LO Estimated COST Fixed Pee Not to Exceed (Funding) SERVICE REQUESTED: #16399 WORN EQUIPMEN CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J712200 PRON AMD: 01 ACRN: BB PSC: 4970 SLIN ODOSBB DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST MIKED DER TOTAL

Reference No. of Document Being Continued **CONTINUATION SHEET** 

Page 4 of 7

PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00082 Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT PRICE UNIT AMOUNT ESM DESCRIPTION FY14 HOURS EN14-08 LABOR (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 30-SEP-2014 0006BC MATERIAL EN14-08 LO Estimated Cost Pixed Pee to Exceed (Funding) SERVICE REQUESTED: #16399 WORM EQUIPMEN CLIN CONTRACT TYPE: Cost Plus Pixed Fee PRON: 4M4J712200 PRON AMD: 01 PSC: 4970 SLIN OOOGBC FROM DIRECT LABOR HOURS: DIRECT LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST COM PIXED PRE TOTAL (End of narrative B001) Inspection and Acceptance

CONTINUATION SHEET

Reference No. of Document Being Continued
Page 5 of 7

PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P000082

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR ECH PERF COMPL REL CD QUANTITY DATE 001 30-SEP-2014

	CONTIN	IATIO	N SHEET			o. of Document Being Cou	tinued MOD/AMD P00082	Page 6 of 7
Name	of Offeror or	Contract	OF: RAYTHEON COMPANY				10-147/	
BETTON	G - CONTRAC	r adminis	TRATION DATA					
	PRON/							
LINE	MIPR/	OBLG	JO NO/				INCREASE/	CUMULATIVE
HET	GPERS ATA	STAT	ACCT ASSIGN	ACRN		PRIOR AMOUNT	DECREASE	AMOUNT
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00068C	4143712200	2	A.0016122.1.2	ВВ	\$	\$		
						NET CHANGE \$	2,029,547.00	
	N/SEC							INCREASE
	ACCOUNTING C 021 20142015		TION ASKFJ 172419ESSFPD			669 A.0016122.1.2		021001 5 2,029,587,0
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							N	ET CHANGE \$ 2,029,587.0
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			OF AWARD			AMOUNT	Q	BLIG AMT
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CONTINUATION SHEET

Reference No. of Document Being Continued
Page 7 of 7
PIIN/SIIN W31P4Q-10-C-0003 MOD/AMD P00082

Name of Offeror or Contractor: RAYTHBON COMPANY
SECTION J - LIST OF ATTACHMENTS

| Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | Number | N

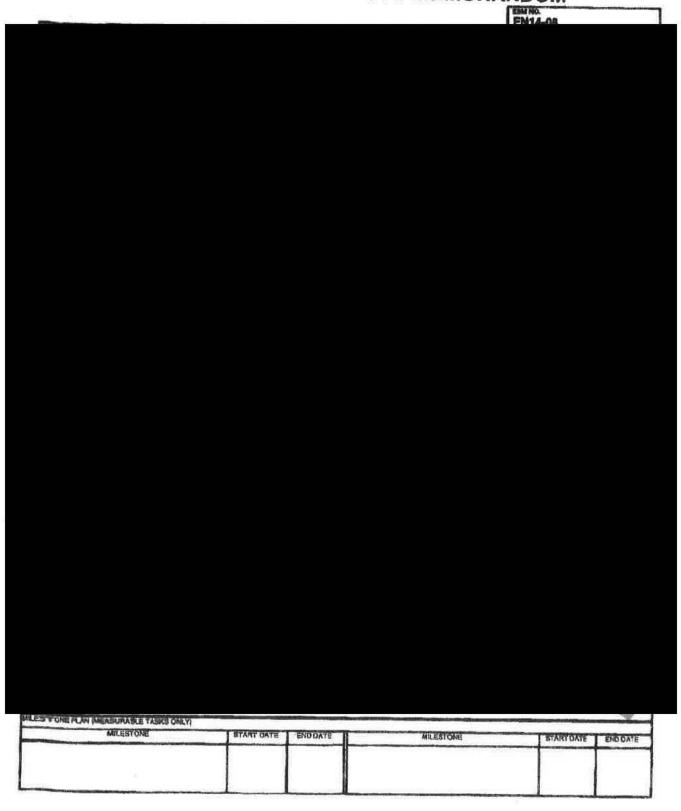
RAYTHRON COMPANY

U.8	ARMY AVIAT	ION AND M	ISSILE (	OMM/	AND		EN14-08	
MOJECT TITLE						RACT NO.	28 April 20	14
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20 September 201	14				cos	ACCOUNT		
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TOTAL	ayther Pit		DATE		P.O.:	HOS PROJECT (	ance.	DATE

PAYTHEON COMPANY

## **ENGINEERING SERVICES MEMORANDUM**

FORM 8H-31-00-04



AMENDMENT OF SOLICIT			Cone same	Fixed Fee	Page 1 Of 7
2. Amendment/Modification No.	3. Effective Date JUN 1 3 2014	4. Requisition/Purchase R	inc <del>a</del> incide	5. Project No	o. (If applicable)
. Issued By	Code W31P40	7. Administered By (If oth			Code S220
REDSTONE ARSENAL AL 35898-5280	TONE	DCMA RAYTHEON TEN 50 APPLE HILL DRI M/S T2FR2 TEWKSBURY MA 018	VE		
. Name And Address Of Contractor (No	Street City, County, State and	Zin Code)	1 9A. Amendme	ent Of Solicitation	on No.
RAYTHEON COMPANY	, onten entry country state and	Zilp Coult)	1	in Or Somenam	
350 LOWELL ST			9B. Dated (Se	e Item 11)	
ANDOVER, MA 01810-4400			36. Dated (Se	e nem 11)	
		×	10A. Modifica	ation Of Contra	ct/Order No.
		F=	W31P4Q-10-C	-0003	
DE CONTRACTOR DE			10B. Dated (S	ice Item 13)	1
Code 05716 Facility Code	•		2003MAR17		
	11. THIS ITEM ONLY APPLI	IES TO AMENDMENTS OF	SOLICITATION	NS	
SPECIFIED MAY RESULT IN REJE may be made by telegram or letter, pro- hour and date specified.  Accounting And Appropriation Data ACRN: BC NET INCREASE: \$2,971.	ovided each telegram or letter ma (If required) , 124.00 ). THIS ITEM ONLY APPLIES It Modifies The Contr	akes reference to the solicita	ion and this amen CONTRACTS/OR In Item 14.	dment, and is re	
The Contract/Order No. In It B. The Above Numbered Contrac	em 10A.	The Administration Changes	- American		
Forth In Item 14, Pursuant To	The Authority of FAR 43.103(b)	).	(such as changes i	n paying office,	appropriation data, etc.)
C. This Supplemental Agreement	Is Entered Into Pursuant To Aut	thority Of:			
D. Other (Specify type of modifica	ation and authority) Exercise	Option			
		this document and return_		opies to the Issu	
4. Description Of Amendment/Modifica	tion (Organized by UCF section )	headings, including solicitati	on/contract subjec	t matter where	feasible.)
SEE SECOND PAGE FOR DESCRIPTION	nn.				
	77.				00
xcept as parovided herein, all terms and	conditions of the document refer	enced in item 9A or 10A, as	heretofore change	d, remains unch	sanged and in full force an
Tect.		16A, Name And Ti	tle Of Contracting	Officer (Type	or print)
	15C. Date Signed				C. Date Signed
		The second of th			1.01
	6/12/2	014			7/13/1
ISN 7540-D 1-152-8070 PREVIOUS EDITIONS UNUSABLE		30-			R (48 CFR) 53.2

Reference No. of Document Being Continued

PHN/SHN W31P4Q-10-C-0003

MOD/AMD P00083

Page 2 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: Buyer Office Symbol/Telephone Number: Type of Contract: Cost Plus Fixed Pee Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION (P00083) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THIS FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCORPORATED IN SECTION J AS ATTACHMENT 69 EN1411.

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS WILL BE EXERCISED. SLIN 0006BD LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF AND THE LABOR HOURS ARE INCREASED BY SLIN 0006BE MATERIAL DOLLARS ARE INCREASED IN THE AMOUNT OF INCREASES ARE AS FOLLOWS:

SLIN 0006BD (LABOR)

DIRECT LABOR HOURS:

DIR LABOR & BURDEN

MATERIAL

TOTAL

SLIN 0006BE (MATERIAL)

DIRECT LABOR HOURS:

DIR LABOR & BURDEN

MATERIAL

TOTAL

TOTAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$2,971,124.00 FROM \$56,565,163.00 TO \$59,536,287.00

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0082 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00083

Page 3 of 7

TEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
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	FY14 LABOR MATERIAL TOTAL PCL				
	TCL				
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	HOURS HOURS DESCRIPTION LABOR EXERCISED REMAINING				
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	PIXED PEE TOTAL				
	(End of narrative B014)				
6BD	LABOR EN14-11		LO	Estimated	
				Cost Fixed Fee	\$
				Not to Exceed (Funding)	\$
	SERVICE REQUESTED: #15527 SPR SYSTEM AD CLIN CONTRACT TYPE:				
	Cost Plus Fixed Fee PRON: 4M4J712400 PRON AMD: 01 ACRN: BC				
	PSC: 4970				
	SLIN 0006BD FROM BY TO DIRECT LABOR HOURS:				
	DIR LABOR & BURDEN MATERIAL TOTAL	_			
	ESTIMATED COST				-
	COM		1 1		

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00083

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT TOTAL ESM BN14-11 LABOR (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 30-SEP-2014 0006BE Estimated MATERIAL EN14-11 Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #15527 SPR SYSTEM AD CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J712400 PRON AMD: 01 ACRN: BC PSC: 4970 SLIN OCOGBE FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST COM FIXED FEE TOTAL (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL QUANTITY REL CD DATE 30-SEP-2014

U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA  DATE  DATE	
REDSTONE ARSENAL, ALABAMA	
30 May 2	014
PROJECT TITLE CONTRACT NO.	YI
System Problem Reports (SPRs) & W31P4Q-10-C-0003  ESTIMATED COMPLETION DATE OF ESM  COST ACCOUNT	
30 September 2014	
DESCRIPTION OF PROPOSED WORK	
The contractor will provide the necessary personnel equipment system engineering and software development	
This ESM will include generation of specifications	
The final software delivered under this ESM will be a formal delivery.	
A TIM with the JPO will be conducted defining these updates prior to the start of software coding. (Cont.)	
with the 31 O with the contracted defining these aparters prior to the start of software country.	
	75
AND TRANSPORT OF THE PROPERTY	nerijaji
GOVERNMENT FURNISHED EQUIPMENT DATE REQUIRED RETURN DATE CONDITION OF	HEIUHN
To be expedited in Sub-ESMs as apprished	
To be specified in Sub-E-Sivis as required	
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To be specified in Sub-ESMs as required  RESULTING DOCUMENTATION, MARDWARE, BENEFITS AND DELIVERY DATE  To be specified in Sub-ESMs as required	
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Attachment 2

RAYTHEON COMPANY 000974

# **ENGINEERING SERVICES MEMORANDUM**

processor and the l				ESM NO.	EN14-11	
MILESTONE PLAN (MEASURAB MILESTO	START DATE	END DATE	MILESTONE		START DATE	END DATE
				- 1		
*						
186						
146						
*						

			EN	14-11	
SESCRIPTION OF PROPOSED WORK (CON'T)				-	
THE PROPERTY WORK (COR 1)					
MILESTONE	START DATE	END DATE	MILESTONE	START DATE	END DATE

. Amendment/Modification No.	3. Effective Date	4. Requisition/Pur	Requisition/Purchase Req N		Cost Plus Fixed Fee  5. Project No. (If applicable)	
	19 June 2014					V 25 - W 2 - W 2 - 7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
i. Issued By	Code N31P40	7. Administered B	y (If other	than Item 6)		Code S7205A
ARMY CONTRACTING COMMAND REDST		DCMA RAYTHE				312000
REDSTONE ARSENAL AL 35898 5280		M/S T2FR2 TEWKSBURY M	MA 01876	-1198		
					. 646 11 11 11	
Name And Address Of Contractor (No.	, Street, City, County, State and	Zip Code)		9A. Amendme	nt Of Solicitati	on Na.
RAYTHEON COMPANY 350 LOWELL ST						
ANDOVER, MA 01810-4400				9B, Dated (See	ltem 11)	
			X	10A. Modifica	flon Of Contra	ect/Order No.
				W31P4Q-10-C	-0003	
				10B. Dated (Se		
de 05716 Facility Code				2003MAR17		
Than you	11. THIS ITEM ONLY APPLI	ES TO AMENDME	NTS OF S	OLICITATION	S	
iour and date specified. Accounting And Appropriation Data ( SEE SECTION G (IF APPLICABLE)	If required)					
13.	THIS ITEM ONLY APPLIES T				DERS	
A. This Change Order is Issued Pu	irsuant To:	action act (10, 13 be	actived to		hanges Set For	rth In Item 14 Are Made In
B. The Above Numbered Contract			hanges (su	ch as changes in	paying office,	appropriation data, etc.) Set
C. This Supplemental Agreement I	ls Entered Into Pursuant To Aut	hority Of:				
D Other 18-15 to 18	tion and authority) EXERCISE	OPTION				* (400)
D. Other (Specify type of modifica				PE		
IMPORTANT: Contractor	s not, 🔯 is required to sign				ALL STATE OF THE S	uing Office.
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IMPORTANT: Contractor in it. Description Of Amendment/Modificat	ion (Organized by UCF section by UCF	enced in item 9A or 1	olicitation/	contract subject	matter where	hanged and in full force and
IMPORTANT: Contractor in Description Of Amendment/Modificate SEE SECOND PAGE FOR DESCRIPTION CORPT AS Provided herein, all terms and corpt as provided herein, all terms and corpt as	conditions of the document references.	enced in item 9A or 1	olicitation/	contract subject	matter where	(easible,)
IMPORTANT: Contractor in the c	ion (Organized by UCF section by UCF	enced in item 9A or 1	olicitation/	contract subject	matter where	feasible.) hanged and in full force and

### CONTINUATION SHEET

Reference No. of Document Being Continued

MOD/AMD P00084

Page 2 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name:

Buyer Office Symbol/Telephone Number:

Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

PIIN/SIIN W31P4Q-10-C-0003

A-1 THE PURPOSE OF THIS MODIFICATION (P00084) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCORPORATED IN SECTION J AS ATTACHMENT 70 EN14-

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS WILL BE EXERCISED. SLIN 0006BF LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF

AND THE LABOR HOURS ARE INCREASED BY

SLIN 0006BH MATERIAL DOLLARS ARE INCREASED IN THE AMOUNT OF

THE INCREASES ARE AS

SLIN 0006BF (LABOR) FY13 FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL SLIN 0006BG (LABOR) FY14 FROM BY TO DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL SLIN 0006BH (MATERIAL) FY14 DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$9,327,926.00 FROM \$59,536,287.00 TO \$68,864,213.00

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0083 \*\*\*

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00084

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO UNIT PRICE AMOUNT SUPPLIES/SERVICES QUANTITY UNIT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS LABOR MATERIAL TOTAL FY14 PCL G&A. TCL COM FEE CPFF HOURS HOURS EXERCISED REMAINING DESCRIPTION LABOR PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL MATERIAL MATERIAL DESCRIPTION MATERIAL REMAINING EXERCISED EST COST COM FIXED FRE TOTAL (End of narrative B014) 0006BF LABOR EN14-12 FY13 LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #16658 SICO PHASE I CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M3J716100 PRON AMD: 01 ACRN: BD PSC: 4970 SLIN 0006BF (LABOR) FY13, DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL ESTIMATED COST COM FIXED FEE

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00084

Page 4 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
		<b>*</b>	3.5 10.0		1
	TOTAL		S		
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*	ESM DESCRIPTION FY13 HOURS EN14-12 LABOR				
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	(End of narrative B001)				
	Inspection and Acceptance				
	INSPECTION: Destination ACCEPTANCE: Destination		1		
	Deliveries or Performance				
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00003	LABOR EN14-12 FY14	1	Lo	Cost	\$
T.				Fixed Fee Not to Exceed	\$
				(Funding)	\$
	SERVICE REQUESTED: #14962 SICO PHASE I				
	CLIN CONTRACT TYPE:				
	Cost Plus Fixed Fee PRON: 4M4J712500 PRON AMD: 01 ACRN: BE	11			
	PSC: 4970				
560	SLIN 0006BG(LAROR) FY14 FROM BY TO				
	DIRECT LABOR HOURS:				
	DIR LABOR & BURDEN				
	TOTAL				
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	TOTAL	+			1
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	EN14-12 LABOR	ia.			
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	(End of narrative B001)				
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	Inspection and Acceptance				Ī
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Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00084

Page 4 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT PRICE AMOUNT UNIT TOTAL DESCRIPTION FY13 HOURS ESM EN14-12 (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 31-MAR-2015 0006BG LABOR EN14-12 FY14 LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #14962 SICO PHASE I CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J712500 PRON AMD: 01 PSC: 4970 SLIN 0006BG(LABOR) FY14 DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST COM FIXED FEE TOTAL ESM FY14 HOURS DESCRIPTION EN14-12 LABOR (End of narrative B001) Inspection and Acceptance

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00084

Page 5 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 31-MAR-2015 0006BH MATERIAL EN14-12 FY14 LO Estimated Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #14962 SICO PHASE I CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4J712500 PRON AMD: 01 ACRN: BE PSC: 4970 SLIN 0006BH (MATERIAL) FY14 FROM TO DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST FIXED FEE TOTAL (End of narrative B001) Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination Deliveries or Performance DLVR SCH PERF COMPL REL CD DATE 001 31-MAR-2015

0006BH

BE

021 201420152040

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00084

9,327,926.00

NET CHANGE \$

021001

Page 6 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

PRON/ AMS CD/ LINE MIPR/ OBLG JO NO/ INCREASE/ CUMULATIVE ITEM GFEBS ATA STAT ACCT ASSIGN ACRN PRIOR AMOUNT DECREASE 0006BF 4M3J716100 2 A.0009263.1.2 BD 0006BG 4M4J712500 2 A.0016122.1.2 BE 0006BH 4M4J712500 A.0016122.1.2 BE

INCREASE/ ACRN ACCOUNTING CLASSIFICATION DECREASE 021 201320142040 A5XFJ 172419E55FPDG 2550 L036191855 A.0009263.1.2 021001 \$ BE 021 201420152040 A5XFJ 172419E55FPDG 2550 L036191856 A.0016122.1.2 021001 \$\_ 9,327,926.00

NET CHANGE \$

INCREASE/DECREASE CUMULATIVE PRIOR AMOUNT OF AWARD AMOUNT OBLIG AMT NET CHANGE FOR AWARD: \$ 59,536,287.00 9,327,926.00 68,864,213.00

LINE ITEM ACRN EDI/SFIS ACCOUNTING CLASSIFICATION 0006BF 021001 021 201320142040 ASXFJ 172419E55FPDG 2550 L036191855 A.0009263.1.2 0006BG BE 021 201420152040 A5XFJ 172419E55FPDG 2550 L036191856 A.0016122.1.2 021001

A5XFJ 172419E55FPDG 2550 L036191856 A.0016122.1.2

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00084

Page 7 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION J - LIST OF ATTACHMENTS

List of

Addenda

Attachment 0070 E

ENGINEERING SERVICES MEMORANDUM

Number

of Pages

\_ 9

Transmitted By

Date 01-MAY-2014

EMA

5777

U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA					)	EN14-12						
	REDSTO	NE A	RSENAL	, ALA	BAMA			1 May 20	14			
PROJECT TITLE SICO Phase I Su	s							24Q-10-C-0003				
31 March 2015 DESCRIPTION OF PROPOS							COST ACCOUNT					
Provide system as Radar System (Su	sembly, integrated at a prepared	ion, ch I site a	eckout (SIC t Aberdeen	(O) and Proving	initial ca Ground	pability (APG),	delivery (10, MD.	CD) of one JLEN	S Surveillance			
The contractor sha anticipated start di work. The contract equipment and sup- start of SICO. Initi the site diagram. N	ate will be provided for will be allowed oplies to an agre al access to the	ded at the ded to per ded upon prepar	the Ship Rea erform pre-in on site at AF red site shal	adiness ntegration PG, MD II be lim	n activity. There	(SRR) lies suc will be r nly the	NLT forty-fin h as staging no access to pad area an	ve (45) days prior of containers, of the JLENS Sus of tactical area a	r to start of SuS selivery of site, prior to the			
Cont												
GOVERNMENT F	UANISHED EQUIPMENT		DATERED	UIRED	HETU	AN DATE		CONDITION OF R	EYUPIN			
To be specified in Sub	ESMs as required											
To be specified in Sub		FITS AND	DELIVERY DATE									
ESTWATED COST	*** THE FO	OLLOW	ING IS PRO	PRIETA	RY INFO	RMATIC	N PROTECT	TED UNDER P. L.	100-679 ***			
	ORIGINAL ISSUE	T	CHANGE	T	CHANGE	T	C' CHANGE	CHANGE	CHANGE			
DIRECT LABOR HOURS DIRECT LABOR & BURDEN	-	5	Trans.	-		- 1		,	-			
MATERIAL	5	5		1		- 5		3	13			
COMPTRI/SUBCONTRIBA	3	8		1		S		3	\$			
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TOTAL	5	8		5		3		1	13			
	Raythson OS-			Ì	c	MDS P D.:						
ONCUPRIENCE SIGNATUR	ES:											
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ISSUE REVISION				23W	m14				6 JUNZON			
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D. D.		-					*****	10 44-34-3100				
ENSION .				-								

FORM 5H-31-00-04

EN14-12 DESCRIPTION OF PROPOSED WORK (CONT) Once ICD is accepted by the Government, soldiers will be responsible for tactical manning of the system. For all remaining Phase two efforts the contractor shall be required to coordinate access to the tactical system with the battery commander or designated on-site government representative. The contractor shall provide objective evidence of system performance The contractor shall include all consumable costs associated with emplacing, operating and maintaining the system. during SICO. he contractor shall manage and perform the repair or replacement of JLENS tactical and support equipment, Government Furnished Equipment (GFE), and spares that failed or were damaged during SICO. The contractor shall also perform Preventative Maintenance Checks and Services (PMCS), maintain log books, and conduct configuration management for tactical equipment. The contractor shall provide a comprehensive listing of all GFE, for prior approval by the government, required to support the SICO. This list also needs to include required need dates for equipment requiring procurement Labor Labor Material Travel Total PHASE ! Hours Dollars Dollars\* Dollars Sell System Staging Post ICD SICO IPT Support Option Total MILESTONE PLAN (MEASURABLE TASKS UNLY) MILESTONE START DATE START MATE ENTITIOTE END DATE

MENDMENT OF SOLICITATION/MODIFICATI		ON OF CONTRACT	1. Contract ID Code Cost Plus Fixed Fee		Page 1 Of?	
2. Amendment/Modification No.	JUN 2 1 2014	4. Regulation/Purchase Req I			No. (If applicable)	
6. Issued By	Code N31P4Q	7. Administered By (If other	then Item 6)		Code S2205	
ARMY CONTRACTING COMMAND-REDSTONS	E	DOMA RAYTHEON TENKS	BURY			
9		50 APPLE HILL DRIVE				
REDSTONE ARSENAL AL 15898-5280		M/S T2FR2				
		TEWKSBURY MA 01876-	-1198			
S. P. CONTRACT (10)	County, State and	Z(p Code)	9A. Amendment	Of Solicitation	No.	
RAYTHRON COMPANY						
350 LOWELL ST		1 1	00 D 1/0 - 1:			
AMDOVER, MA DIS10-4406			9B. Dated (See Ite	ent 11)	×	
		X	10A. Modification	n Of Contract	Order No.	
				TO A DESCRIPTION OF THE PARTY O	200 Aug 502 50 50 50 50 50 50 50 50 50 50 50 50 50	
			W31P4Q-10-C-00			
Code 05716 Facility Code			10B. Dated (See I	Item 13)		
		UPC TO A PARTICULAR CO. T.	2003MAR17			
The above numbered solicitation is ame		IES TO AMENDMENTS OF SO				
SPECIFIED MAY RESULT IN REJECT may be smade by telegram or letter, provide hour and date specified.  2. Accounting And Appropriation Data (If	ded each telegram or letter m					
ACRN: BF NET INCREASE:	HIS ITEM ONLY APPLIES	TO MODIFICATIONS OF CO	NTRACTS/ORDE	ERS	,	
		net/Order No. As Described In	Item 14.	parasisti .		
A. This Change Order is Issued Purs The Contract/Order No. in Item	10A.				In Item 14 Are Made In	
B. The Above Numbered Contract/O Forth in Item 14, Pursuant To Ti	he Authority of FAR 43.103(b	).	ch as changes in pu	sying office, ap	propriation data, etc.) Set	
C. This Supplemental Agreement is i	Entered Into Pursuant To Aut	hority Of:			and the second second	
D. Other (Specify type of modification	n and authority) Exercise	Option				
E. IMPORTANT: Contractor Is n	is required to sign	this document and return	copie	es to the Issuin	g Office.	
4. Description Of Amendment/Modification			contract subject m	atter where fe	asible.)	
SEE SECOND PAGE FOR DESCRIPTION						
					7	
Except as perovided herein, all terms and cor	aditions of the document refer	enced in item 9A or 10A, as her	etofore changed. r	remains unche	nged and in full force and	
ffect.						
SA Name 1 agreement of		6A. Name And Title	Of Contracting Of	fficer (Type or	print)	
					100	
	15C. Date Signed	0			16C. Date Signed	
	1 / 1 - 1 / -				1/104/1	
	6/24/2	014			6/10	
NSN 7540-1-152-8070		30-1			M 38 (REV. 10-83)	
PREVIOUS EDITIONS UNUSABLE					FAR (48 CFR) 53-243	

#### Reference No. of Document Being Continued CONTINUATION SHEET

MOD/AMD P00085

Page 2 of 7

PIIN/SIIN W31P4Q-10-C-0003

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: Buyer Office Symbol/Telephone Number: Type of Contract: Cost Plus Fixed Fee

Kind of Contract: Service Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: A

\*\*\* End of Narrative A0000 \*\*\*

A-1 THE PURPOSE OF THIS MODIFICATION (P00085) IS TO INCORPORATE THE FOLLOWING INTO CONTRACT NUMBER W31P4Q-10-C-0003.

A-2 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING ENGINEERING SERVICE MEMORANDUM IS INCORPORATED IN SECTION J AS ATTACHMENT 71 EN14-13.

A-3 BY EXECUTION OF THIS MODIFICATION THE FOLLOWING SLINS WILL BE EXERCISED. SLIN 0006BJ LABOR DOLLARS ARE INCREASED IN THE AMOUNT OF AND THE LABOR HOURS ARE INCREASED BY SLIN 0006BK MATERIAL DOLLARS ARE INCREASED IN THE AMOUNT OF INCREASES ARE AS FOLLOWS:

SLIN 0006BJ (LABOR) FY14 FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL SLIN 0006BK (MATERIAL) FY14 FROM DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL 'OTAL

A-4 AS A RESULT OF THIS MODIFICATION, THE SUBJECT OBLIGATED AMOUNT IS INCREASED IN THE AMOUNT OF \$6,359,368.00 FROM \$68,864,213.00 TO \$75,223,581.00

A-5 AS A RESULT OF THIS MODIFICATION, THE SUBJECT CONTRACT TOTAL VALUE IS UNCHANGED.

A-6 AS A RESULT OF THIS MODIFICATION, THE REMAINING CEILING AMOUNT TO BE FUNDED IS

A-7 EXCEPT AS PROVIDED ABOVE, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

\*\*\* END OF NARRATIVE A0084 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD P00085

Page 3 of 7

Name of Offeror or Contractor: RAYTHEON COMPANY ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 0006 FY14 OPTION PERIOD JLENS ENG SRVS PY14 LABOR MATERIAL TOTAL PCL G&A TCL COM FEE CPFF HOURS HOURS DESCRIPTION LABOR EXERCISED REMAINING PM/CM ENGINEERING PRODUCT ASSUR LOGISTICS TOTAL MATERIAL MATERIAL REMAINING DESCRIPTION MATERIAL EXERCISED EST COST COM FIXED PEE TOTAL (End of narrative B015) 0006BJ Estimated LABOR EN14-13 Cost Fixed Fee Not to Exceed (Funding) SERVICE REQUESTED: #16620 SICO PHASE II CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: 4M4JX10600 PRON AMD: 01 ACRN: BF PSC: 4970 SLIN 0006BJ (LABOR) FY14 FROM BY DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL ESTIMATED COST COM FIXED FEE

### Reference No. of Document Being Continued

PIIN/SIIN W31P4Q-10-C-0003

MOD/AMD PODORS

Page 4 of 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	TOTAL  ESM DESCRIPTION FY14 HOURS EN14-13 LABOR				
	(End of narrative B001)  Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 31-MAR-2015			II   #	
006ВК	MATERIAL EN14-13		ro	Estimated Cost Fixed Fee Not to Exceed (Funding)	\$ \$
	SERVICE REQUESTED: #16620 ORBIT SICO FC CLIN CONTRACT TYPE:     Cost Plus Fixed Fee PRON: 4M4JX10600 PRON AMD: 01 ACRN: BF PSC: 4970	÷		(Funding)	
	SLIN 0006BK (MATERIAL) FY14 FROM BY TO DIRECT LABOR HOURS: DIR LABOR & BURDEN MATERIAL TOTAL				
	ESTIMATED COST COM FIXED FEE TOTAL				
	(End of narrative B001)				
	Inspection and Acceptance INSPECTION: Destination ACCEPTANCE: Destination				
	Deliveries or Performance				

U.S. ARMY AVIATION AND MISSILE COMMAND REDSTONE ARSENAL, ALABAMA						EN14-13 DATE 1 May 2014		
SICO Phase II PCS					CONTRACT NO.	10-C-0003		
ESTIMATED COMPLETION DATE	OF ESM				COST ACCOUN	T		
31 March 2015 DESCRIPTION OF PROPOSED W	ORK		~				***************************************	
Provide system ass at a prepared site at					apability delivery	(ICD) of one JLE	NS FCS and orbit	
The contractor shall Confirmation of anti- (45) days prior to station activities such as station will be no access to only the pad area are of integration and characteristics.	cipated start of art of Surveille aging of conta the JLENS Find tactical are	date will be providence System (Sustiners, delivery of CS sites prior to the assistance of the sites as delineated of the state of the sites of the	led at the S) work. equipme the start o	combine The cont and su of SICO.	ed Ship Readines tractor will be allo upplies to an agre Initial access to	ss Review (SRR) owed to perform p eed upon site at a the prepared site	NLT forty-five pre-integration APG, MD. There shall be limited to	
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of all remaining inte					or a JLENS Orbit	capaonity. Phase	e two shall consist	
romaning into	gration, canon	anorrana acriron	ondion to	iono	_	1990	Cont	
GOVERNMENT FURNI	SHED EQUIPMENT	DATE HEG	UIREO I	RETURN	DATE	CONDITION OF RE	TURN	
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To be specified in Sub-ES		ITS AND DELIVERY DAYE				-		
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DIRECT LABOR & BURDEN \$		\$	1		\$	5	6	
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SM MONITORS Rayth IDS:	eon	9		Casc	S F.O.;			
ONCUFTRENCE SIGNATURES:								
ORIGINAL ISSU			DATE	. 14			MATEUR 14	
REVISION 'A'		- 1	SIVE	3'			MARKETULO 14	
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REVISION D								
RÉVISION 'E'								

FORM 5H-31-00-04

EN14-13 DESCRIPTION OF PROPOSED WORK (CON'T) Once ICD is accepted by the Government for each system, soldiers will be responsible for tactical manning of the system. For all remaining Phase two efforts the contractor shall be required to coordinate access to the tactical system. with the battery commander or designated on-site government representative. The contractor shall provide objective evidence of system performance The contractor shall include all consumable costs associated with emplacing, operating and maintaining the during SICO. The contractor shall manage and perform the repair or replacement of JLENS tactical and support equipment. Government Furnished Equipment (GFE), and spares that failed or were damaged during SICO. The contractor shall also conduct Preventative Maintenance Checks and Services (PMCS), maintain log books, and configuration management for tactical equipment. The contractor shall provide a comprehensive listing of all GFE, for prior approval by the government, required to support the SICO. This comprehensive listing also needs to include required need dates for equipment requiring procurement. Labor Labor Material Travel Total PHASE II Dollars Dollars\* Hours **Dollars** Sell FCS Pre-SICO FCS ICD System Staging Post KD Total MILESTON E PLAN (MEASURABLE TASKS ONLY) MILESTONE STAFIT DATE END DATE WILESTONE START DATE END DATE