

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING	PAGE OF PAGES 1 41	
2. CONTRACT (Proc. Inst. Ident.) NO. HR0011-13-C-0058		3. EFFECTIVE DATE 01 Jun 2013		4. REQUISITION/PURCHASE REQUEST/PROJECT NO. HR001132127		
5. ISSUED BY DARPA CMO ATTN: MICHAEL MUTTY 675 N. RANDOLPH STREET ARLINGTON VA 22203-2114		CODE HR0011	6. ADMINISTERED BY (If other than Item 5) DCMA MANASSAS 10500 BATTLEVIEW PARKWAY SUITE 200 MANASSAS VA 20109-2342		CODE S2404A	
7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, state and zip code) NIITEK, INC 23031 LADBROOK DR STE 100 DULLES VA 20186-2118				8. DELIVERY [] FOB ORIGIN [X] OTHER (See below)		
				9. DISCOUNT FOR PROMPT PAYMENT		
CODE 1TBR6 FACILITY CODE				10. SUBMIT INVOICES 1 (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN:		ITEM Section G
11. SHIP TO/MARK FOR U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4800 ABERDEEN PROVING GROUND MD 21005-5066		CODE W813LT	12. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264		CODE HQ0338	
13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: [] 10 U.S.C. 2304(c)() [] 41 U.S.C. 253(c)()			14. ACCOUNTING AND APPROPRIATION DATA See Schedule			
15A. ITEM NO.	15B. SUPPLIES/ SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT	
SEE SCHEDULE						
					15G. TOTAL AMOUNT OF CONTRACT \$2,133,855.00	
16. TABLE OF CONTENTS						
(X) SEC.	DESCRIPTION	PAGE(S)	(X) SEC.	DESCRIPTION	PAGE(S)	
PART I - THE SCHEDULE			PART II - CONTRACT CLAUSES			
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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE						
17. [X] CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 1 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)			18. [] AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number			
			including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.			
19A. NAME AND TITLE OF SIGNER (Type or print) (b)(4),(b)(6)			20A. NAME OF CONTRACTING OFFICER MICHAEL S. MUTTY TEL: 571-218-4588 EMAIL: Michael.Mutty@darpa.mil			
19B. NAME OF CONTRACTOR (b)(4),(b)(6)		19C. DATE SIGNED 24 May 2013	20B. UNITED STATES OF AMERICA MUTTY.MICHAEL BY L.S.1228601728 (Signature of Contracting Officer)		20C. DATE SIGNED 5/24/2013	

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EPIC-13-06-07-DARPA-FOIA-20171116-Niitek-MEDS-Contract

STANDARD FORM 26 (REV. 4/2008)

Prescribed by GSA
FAR (48 CFR) 53.214(a)

00001

Section B - Supplies or Services and Prices

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	MEDS PROGRAM FFP Milestone 1 - The contractor shall conduct the research entitled, (b)(4) (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) of Explosives" dated May 4, 2013 in accordance with the Attachment 1 - Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein. FOB: Destination	1	Lot	\$221,993.00	\$221,993.00
				NET AMT	\$221,993.00

(b)(3):22
USC § 2778,
(b)(4)

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000101	FUNDING FOR CLIN 0001 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AA CIN: 00000000000000000000000000000000				\$221,993.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002		1	Lot	\$262,347.00	\$262,347.00

MEDS PROGRAM
FFP

Milestone 2 - The contractor shall conduct the research entitled (b)(3):22 USC § 2778

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e) dated May 4, 2013 in accordance with the Attachment 1 -

Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein.

FOB: Destination

(b)(3):22
USC § 2778,
(b)(4)

NET AMT \$262,347.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000201					\$0.00

FUNDING FOR CLIN 0002
FFP

FOB: Destination

PR No. HR001132127

NET AMT \$0.00

ACRN AA \$262,347.00
CIN: 00000000000000000000000000000000

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003		1	Lot	\$214,416.00	\$214,416.00

MEDS PROGRAM
FFP

Milestone 3 - The contractor shall conduct the research entitled (b)(3):22 USC § 2778(e) Sec 38(e)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e) dated May 4, 2013 in accordance with the Attachment 1 -

Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein.

FOB: Destination

(b)(3):22
USC § 2778,
(b)(4)

NET AMT \$214,416.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000301	FUNDING FOR CLIN 0003 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AA CIN: 00000000000000000000000000000000				\$214,416.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	MEDS PROGRAM FFP Milestone 4 - The contractor shall conduct the research entitled (b)(3):22 USC § 2778(e) Sec 38(e), (b)(4) (b)(3):22 USC § 2778(e) Sec 38(e) dated May 4, 2013 in accordance with the Attachment 1 - Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein. FOB: Destination	1	Lot	\$176,449.00	\$176,449.00
				NET AMT	\$176,449.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000401	FUNDING FOR CLIN 0004 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AA CIN: 00000000000000000000000000000000				\$176,449.00

(b)(3):22 USC § 2778, (b)(4)

(b)(3):22 USC § 2778, (b)(4)

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005		1	Lot	\$114,368.00	\$114,368.00

MEDS PROGRAM
FFP

Milestone 5 - The contractor shall conduct the research entitled (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(LVA)

(b)(3):22
USC § 2778,
(LVA)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) dated May 4, 2013 in accordance with the Attachment 1 - Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein.
FOB: Destination

NET AMT \$114,368.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000501					\$0.00

FUNDING FOR CLIN 0005
FFP
FOB: Destination
PR No. HR001132127

NET AMT \$0.00

ACRN AA \$114,368.00
CIN: 00000000000000000000000000000000

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006		1	Lot	\$100,067.00	\$100,067.00

MEDS PROGRAM
FFP

Milestone 6 - The contractor shall conduct the research entitled (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(LVA)

(b)(3):22
USC § 2778,
(LVA)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) dated May 4, 2013 in accordance with the Attachment 1 - Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein.
FOB: Destination

NET AMT \$100,067.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000601	FUNDING FOR CLIN 0006 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AA CIN: 00000000000000000000000000000000				\$100,067.00

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007	MEDS PROGRAM FFP Milestone 7 - The contractor shall conduct the research entitled (b)(3):22 USC § 2778(e) Sec 38(e) (b)(3):22 USC § 2778(e) Sec 38(e) dated May 4, 2013 in accordance with the Attachment I - Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein. FOB: Destination	1	Lot	\$70,309.00	\$70,309.00
				NET AMT	\$70,309.00

(b)(3):22
USC § 2778,
(b)(3)
USC § 2778,
(b)(3)

(b)(3):22 USC
§ 2778(e) Sec

(b)(3):22
USC § 2778,
(b)(3)

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000701	FUNDING FOR CLIN 0007 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AA CIN: 00000000000000000000000000000000				\$70,309.00

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0008	MEDS PROGRAM CPFF The contractor shall conduct the research entitled, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) dated May 4, 2013 in accordance with the Attachment 1 - Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein. FOB: Destination	\$901,765.00	\$72,141.00	\$973,906.00 \$973,906.00

(b)(3):22
USC § 2778,
USC § 2778,
(L)(1)

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000801	FUNDING FOR CLIN 0008 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AA CIN: 00000000000000000000000000000000				\$973,906.00

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0009	MEDS PROGRAM	\$210,746.00	\$16,860.00	\$227,606.00
OPTION	CPFF Option 1 - The contractor shall conduct the research entitled, [REDACTED] dated May 4, 2013 in accordance with the Attachment 1 - Statement of Work and with Section C herein. Data deliverables/reports shall be provided in accordance with Section C and F herein. FOB: Destination			\$227,606.00

(b)(3):22
 USC § 2778,
 USC § 2778,
 USC § 2778,
 (b)(4)

[REDACTED]
 (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
 [REDACTED]

Section C - Descriptions and Specifications

CLAUSES INCORPORATED BY FULL TEXT

C-1 Scope of Work

(a) The Contractor shall furnish the necessary personnel, materials, facilities, and other services as may be required to perform Contract Line Items (CLINS) 0001 through 0008, in accordance with the Statement of Work, Attachment 1 hereto.

(b) The Contractor shall furnish the necessary personnel, materials, facilities, and other services as may be required to perform Option 1, Contract Line Items (CLIN) 0009, if and to the extent exercised, in accordance with the Statement of Work, Attachment 1 hereto.

(c) In the event of an inconsistency between the provisions of this contract and the Contractor's proposal, the inconsistency shall be resolved by giving precedence in the following order: (1) the contract, (2) the attachments to the contract, and then (3) the Contractor's proposal.

C-2 Reports and Other Deliverables

(a) The Contractor shall submit the following reports and other deliverables in accordance with the delivery schedule set forth in Section F. Reports and other deliverables shall include an acknowledgment of the Government's support and a disclaimer in accordance with DFARS 252.235-7010 and shall be submitted in writing, as defined in FAR 2.101, or as specified below:

(1) R&D STATUS REPORT

This brief narrative, not to exceed five pages in length, shall contain the following:

- (i) For first report only; the date work actually started.
- (ii) Description of progress during the reporting period, supported by reasons for any change in approach reported previously
- (iii) Planned activities and milestones for the next reporting period.
- (iv) Description of any major items of experimental or special equipment purchased or constructed during the reporting period.
- (v) Notification of any changes in key personnel associated with the contract during the reporting period.
- (vi) Summary of substantive information derived from noteworthy trips, meetings, and special conferences held in connection with the contract during the reporting period.
- (vii) Summary of all problems or areas of concern.
- (viii) Related accomplishments since last report.
- (ix) Fiscal status, to include reporting of summary level financial data in the following format:
(next page)

Note: In accordance with DFAR 252.227-7013(e) (iii) the Contractor (Prime and Subcontractor) shall notify the Government, via the Status Report, of any data deliverables which will be furnished to the Government with less than unlimited rights.

R&D STATUS REPORT
PROGRAM FINANCIAL STATUS

Work Breakdown	Cumulative to Date			At Completion		
Structure or Task Element	Planned Expend	Actual Expend	% Budget Compl	At Compl	Latest Revised Estimate	Remarks
Subtotal:	_____					
Management Reserve:	_____					
Or Unallocated Resources:	_____					
TOTAL:	=====					

Note: Budget at completion changes only with the amount of any scope changes. (Not affected by underrun or overrun)

Based on currently authorized work:

Is current funding sufficient for the current fiscal year (FY)? (Explain in narrative if "NO")

YES NO

What is the next FY funding requirement at current anticipated levels?

\$ _____

Have you included in the report narrative any explanation of the above data and are they cross-referenced?

YES NO

(2) FINAL REPORT

(a) This report shall document the results of the complete effort and should be delivered at the completion of the contract. If the Government chooses to exercise the options under this contract, the due date for the final report is extended accordingly. Title pages shall include a disclaimer worded substantially as follows:

“The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the official policies, either expressly or implied, of the Defense Advanced Research Projects Agency or the U.S. Government.”

The Final Technical Report summary shall include:

Task Objectives
 Technical Problems
 General Methodology (i.e., literature review, laboratory experiments, surveys, etc.)
 Technical Results
 Important Findings and Conclusions
 Significant Hardware Development
 Special Comments
 Implications for Further Research
 Standard Form 298, August 1998

(3) ALL REPORTS

(a) Reports delivered by the Contractor in the performance of the contract shall be considered “Technical Data” as defined in Section I contract clauses entitled “Rights in Technical Data – Noncommercial Items” and “Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation.”

(b) Bulky Reports shall be mailed by other than first-class mail unless the urgency of submission requires use of first-class mail. In this situation, one copy shall be mailed first-class and the remaining copies forwarded by less than first-class.

(c) All papers and articles published as a result of DARPA sponsored research shall include a statement reflecting the sponsorship. In addition, a bibliography of the titles and authors of all such papers are to be included in the Final Technical Report

(d) The cover or title page of each of the above reports or publications prepared will have the following citation:

(i) Sponsored by
 Defense Advanced Research Projects Agency
 Defense Sciences Office (DSO)
 Program: Methods for Explosive Detection at Standoff (MEDS)
 Purchase Request No. HR001132127, Program Code: DQ426
 Issued by DARPA/CMO under Contract No. HR0011-13-C-0058

(ii) The title page shall include a disclaimer worded substantially as follows:

“The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the official policies, either expressly or implied, of the Defense Advanced Research Projects Agency or the U.S. Government.”

(e) All technical reports must (i) be prepared in accordance with American National Standards Institute (ANSI) Standard Z39.18; (ii) include a Standard Form 298, August 1998; and (iii) be marked with an appropriate Distribution Statement.

(f) Distribution Statement B applies.

"Distribution authorized to U.S. Government agencies only due to the inclusion of proprietary information and to prevent Premature Dissemination of potentially critical technological Information. Other requests for this document shall be referred to DARPA Public Release Center (PRC) at PRC@darpa.mil."

Note to contractor: As dictated by DFARs Part 27, legends or notices on restricted technical or computer software need to be accurate, conspicuous, and legible. The legend must be placed on the transmittal document or storage container and on each page of the printed material. Additionally, the delivered restricted data must be highlighted, underscored, or identified with marks that separate them from the technical data or software that is being delivered to the Government without restrictive rights.

Section D - Packaging and Marking

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D-1 Packaging and Marking

All items shall be preserved, packaged, packed and marked in accordance with best commercial practices to meet the packing requirements of the carrier, and to ensure safe delivery at destination.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	Government
000101	N/A	N/A	N/A	Government
0002	N/A	N/A	N/A	Government
000201	N/A	N/A	N/A	Government
0003	N/A	N/A	N/A	Government
000301	N/A	N/A	N/A	Government
0004	N/A	N/A	N/A	Government
000401	N/A	N/A	N/A	Government
0005	N/A	N/A	N/A	Government
000501	N/A	N/A	N/A	Government
0006	N/A	N/A	N/A	Government
000601	N/A	N/A	N/A	Government
0007	N/A	N/A	N/A	Government
000701	N/A	N/A	N/A	Government
0008	N/A	N/A	N/A	Government
000801	N/A	N/A	N/A	Government
0009	N/A	N/A	N/A	Government

CLAUSES INCORPORATED BY REFERENCE

52.246-9	Inspection Of Research And Development (Short Form)	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2008

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	06-JUL-2013	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000101	N/A	N/A	N/A	N/A
0002	03-AUG-2013	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000201	N/A	N/A	N/A	N/A
0003	31-AUG-2013	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000301	N/A	N/A	N/A	N/A
0004	28-SEP-2013	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000401	N/A	N/A	N/A	N/A

0005	25-OCT-2013	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000501	N/A	N/A	N/A	N/A
0006	23-NOV-2013	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000601	N/A	N/A	N/A	N/A
0007	20-DEC-2013	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000701	N/A	N/A	N/A	N/A
0008	31-MAY-2014	1	U.S. ARMY RESEARCH LABORATORY DR. BRAD E. FORCH WEAPONS & MATERIALS RESEARCH DIRECTORATE RDRL - WM, BLDG 4600 ABERDEEN PROVING GROUND MD 21005-5066 410-306-0929 FOB: Destination	W813LT
000801	N/A	N/A	N/A	N/A

0009 31-DEC-2014 1 U.S. ARMY RESEARCH LABORATORY W813LT
 DR. BRAD E. FORCH
 WEAPONS & MATERIALS RESEARCH
 DIRECTORATE
 RDRL - WM, BLDG 4600
 ABERDEEN PROVING GROUND MD
 21005-5066
 410-306-0929
 FOB: Destination

CLAUSES INCORPORATED BY REFERENCE

52.242-15 Alt I Stop-Work Order (Aug 1989) - Alternate I APR 1984
 52.247-34 F.O.B. Destination NOV 1991

CLAUSES INCORPORATED BY FULL TEXT

F-1 Term of Contract

- (a) The term of the contract commences on June 1, 2013 and continues through May 31, 2014.
- (b) The period of performance for Option 1, as set forth in CLIN 0009, shall be from the effective date of the option exercise to and including six (6) months thereafter.
- (c) The Recipient shall make all requests for no-cost period of performance extensions, in writing, to the Administrative Contracting Officer, no later than 30 days prior to the end of the current period of performance. The Administrative Contracting Officer is delegated authority to grant such request, via modification to the Contract, after receiving approval from the Contracting Officer’s Representative.

F-2 Reports and Other Deliverables

(a) Delivery of all reports and other deliverables shall be made to the addressee specified in F-3 entitled “Report Distribution” in accordance with the following:

Item No.	Description	Due Date (on or before)
0001	Milestone 1 Report	July 6, 2013
0002	Milestone 2 Report	August 3, 2013
0003	Milestone 3 Report	August 31, 2013
0004	Milestone 4 Report	September 28, 2013
0005	Milestone 5 Report	October 25, 2013
0006	Milestone 6 Report	November 23, 2013
0007	Milestone 7 Report	December 20, 2013
0008	Quarterly R&D Status Report	15 th day of the month, every 3 months from commencing date of contract

0008 Final Report May 31, 2014

F-3 Report Distribution

- (a) DARPA/DSO
Attn: Dr. Judah Goldwasser
675 North Randolph Street
Arlington, VA 22203-2114
Email: Judah.Goldwasser@darpa.mil
(one copy each report)
- (b) U.S. Army Research Laboratory
Dr. Brad E. Forch
RDRL-WM
Weapons & Materials Research Directorate
Aberdeen Proving Ground, MD 21005-5066
Email: brad.forch@us.army.mil
(one copy each report)
- (c) DARPA/DSO
Attn: ADPM
675 North Randolph Street
Arlington, VA 22203-2114
Email: DSO_ADPM@darpa.mil
(one copy of FINAL REPORT)
- (d) DARPA/CMO
Attn: Michael S. Mutty (Contracting Officer)
675 North Randolph Street
Arlington, VA 22203-2114
Email: ReportsDSO@darpa.mil
(one copy each report)
- (e) DARPA/Research Services
675 North Randolph Street
Arlington, VA 22203-2114
Email: ResearchServices@darpa.mil
(one copy of the Final Technical Report)
- (f) Defense Technical Information Center
 - (1) Email: TR@dtic.mil
(one electronic copy of the Final Technical Report, if unclassified)

OR

 - (2) Attn: DTIC-BCS
8725 John J. Kingman Road, Suite 0944
Fort Belvoir, VA 22060-0944
(two hard copies of the Final Technical Report if unclassified)

F-4 Notice Regarding Late Delivery

In the event the Contractor anticipates difficulty in complying with the contract delivery schedule, the Contractor shall immediately notify the Contracting Officer in writing, giving pertinent details, including the date by which it expects to make delivery; PROVIDED, however, that this date shall be informational only in character and the receipt thereof shall not be construed as a waiver by the Government of any contract delivery schedule, or any rights or remedies provided by law or under this contract.

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D

AMOUNT: \$2,133,855.00

CIN 00000000000000000000000000000000: \$2,133,855.00

CLAUSES INCORPORATED BY REFERENCE

252.232-7006 Wide Area WorkFlow Payment Instructions JUN 2012

CLAUSES INCORPORATED BY FULL TEXT

G-1 Procuring Office Representative

The Procuring Office Representative is Michael S. Mutty, 675 North Randolph Street, Arlington, VA 22203-2114.

G-2 Delegation of Authority for Contract Administration

DCMA Manassas, is hereby designated as the Contracting Officer's authorized representative for administering this contract in accordance with current directives.

G-3 Contracting Officer's Representative (COR)

(a) Performance of work under this contract shall be subject to the technical direction of

Dr. Brad E. Forch
RDRL-WM
U.S. Army Research Laboratory
Weapons & Materials Research Directorate
Aberdeen Proving Ground, MD 21005-5066
brad.forch@us.army.mil
410-306-0929

Such technical direction includes those instructions to the Contractor necessary to accomplish the Statement of Work. The COR is not otherwise authorized to make any representations or commitments of any kind on behalf of the Contracting Officer or the Government. The COR does not have the authority to alter the Contractor's obligations or to change the specifications of the contract.

(b) Technical direction shall not include any direction which:

- (1) Constitutes additional work outside the scope of work;
- (2) Constitutes a change as defined in Section I contract clause entitled "Changes";
- (3) In any manner causes an increase or decrease in the total estimated cost or the time required for contract performance; or
- (4) Changes any of the stated terms, conditions, or specifications of the contract.

G-4 252.204-0004 Line Item Specific: by Fiscal Year (SEP 2009)

The payment office will make payment using the oldest fiscal year appropriations first, exhausting all funds in the previous fiscal year before disbursing from the next fiscal year. In the event there is more than one ACRN associated with the same fiscal year, the payment amount shall be disbursed from each ACRN within a fiscal year in the same proportion as the amount of funding obligated for each ACRN within the fiscal year.

G-5 Incremental Funding

This contract is fully funded. It is estimated that the funds presently available are sufficient to permit the Contractor's performance through the performance end dates indicated in the table below. Except in accordance with the Section I clause FAR 52.232-22, "Limitation of Funds," no legal liability of the part of the Government for payment of any money in excess of funds listed in the table below shall arise unless and until additional funds are made available by the Contracting Officer through a modification to this contract.

G-6 Payment of Cost and Fee

(a) As consideration for the proper performance of work required under this contract, the Contractor shall be paid as follows:

(1) Costs, as provided for under Section I contract clause titled "Allowable Cost and Payment" not to exceed the amount set forth as "Total Estimated Cost" in Section B, and subject further to those Section I clauses entitled "Limitation of Cost" or "Limitation of Funds".

(2) A fixed fee in the amount set forth as "Fixed Fee" in Section B, in accordance with the Section I contract clause entitled "Fixed Fee". The Contractor may bill on each invoice the amount of the fixed fee bearing the same percentage to the total fixed fee as the amount of cost billed bears to the total estimated cost.

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

H-1 Type of Contract

CLINS 0001 through 0007. This is a Firm Fixed Price contract.
CLINS 0008 and 0009. This is a Cost-Plus Fixed Fee contract.

H-2 Contracting Officer

Notwithstanding any other provision of this contract, the Contracting Officer is the only individual authorized to redirect the effort or in any way amend or modify any of the terms of this contract. If, as a result of technical discussions, it is desirable to alter contract obligations or statement of work, a modification must be issued in writing and signed by the Contracting Officer.

H-3 Public Release or Dissemination of Information

(1) At this time, DARPA expects the work performed under this contract to be fundamental research, and it is, therefore, not subject to publication restrictions. Papers resulting from unclassified contracted fundamental research are exempt from prepublication controls and requirements, pursuant to DoD Instruction 5230.27 dated October 6, 1987.

(2) Should the character of the research change during contract performance so that the research is no longer considered fundamental, the contract will be modified to impose the restrictions on public release and dissemination of information that apply to those research efforts that are not considered fundamental research.

H-4 Key Personnel

(a) The Contractor shall notify the Contracting Officer prior to making any change in key personnel. Key personnel are defined as follows:

- (1) Personnel identified in the proposal as key individuals to be assigned for participation in the performance of the contract; or
- (2) Personnel whose resumes were submitted with the proposal; or
- (3) Individuals who are designated as key personnel by agreement of the Government and the Contractor during negotiations.

(b) The Contractor must demonstrate that the qualifications of the prospective personnel are equal to or better than the qualifications of the personnel being replaced. Notwithstanding any of the foregoing provisions, key personnel shall be furnished unless the Contractor has demonstrated to the satisfaction of the COR that the qualifications of the proposed substitute personnel are equal to or better than the qualifications of the personnel being replaced.

H-5 Restrictions on Printing

Unless otherwise authorized in writing by the Contracting Officer, reports, data, or other written material produced using funds provided by this contract and submitted hereunder shall be reproduced only by duplicating processes and shall not exceed 5,000 single page reports or a total of 25,000 pages of a multiple-page report. These restrictions do not preclude the writing, editing, preparation of manuscript or reproducible copy of related illustrative materials if required as part of this contract, or incidental printing such as forms or materials necessary to be used by the Contractor to respond to the terms of the contract.

H-6 Invention Disclosure and Reports

All written communications required by this clause shall be submitted to the Administrative Contracting Officer (ACO). All required reporting (invention disclosures, patent disclosures, etc.) shall be accomplished using the i-Edison.gov reporting website (<https://s-edison.info.nih.gov/iEdison/>).

H-7 Insurance Schedule

The Contractor shall maintain the types of insurance listed in FAR 28.307-2 (a), (b) and (c), with the minimum amounts of liability indicated therein. The types of insurance coverage listed in paragraphs (d) and (e) shall also be maintained when applicable.

H-8 Travel

(a) University Performers: Reimbursement for travel-related expenses shall be as stipulated in OMB Circular A-21 (2 CFR 220) as prescribed by FAR Part 31.3.

(b) Non-Profit Performers: Reimbursement for travel-related expenses shall be as stipulated in OMB Circular A-122 (2 CFR 230) as prescribed by FAR Part 31.7

(c) Non-University/For-Profit Performers: Reimbursement for travel-related expenses shall be in accordance with the Contractor's approved travel policy. The Federal Travel Regulations, Joint Travel Regulations (JTR), and Standardized Regulations as stated in FAR 31.205-46 will be used as a guide in determining reasonableness of per diem costs. Costs for travel shall be allowable subject to the provisions of FAR 31.205-46.

(d) In connection with direct charge to the contract of travel-related expenses, the Contractor shall hold travel to the minimum required to meet the objectives of the contract, and substantial deviations from the amount of travel agreed to during contract negotiation shall not be made without the authorization of the Contracting Officer.

When applicable, the Contractor shall notify the COR of proposed travel of an employee beyond that agreed to during negotiations.

(e) Approval of the Contracting Officer shall be obtained in advance for attendance by personnel at training courses, seminars, and other meetings not directly related to contract performance if the costs for the courses, seminars, and other meetings are charged to the contract.

(f) All foreign travel shall be authorized and approved in advance, in writing, by the Contracting Officer. Request for such travel must be submitted to the Contracting Officer at least forty-five (45) days in advance of traveler's anticipated departure date, and shall include traveler's itinerary of United States Flag Air Carriers.

H-9 Metric System

(a) The Defense Advanced Research Projects Agency (DARPA) will consider the use of the metric system in all of its activities consistent with operational, economical, technical and safety requirements.

(b) The metric system will be considered for use in all new designs. When it is deemed not to be in the best interest of the DoD to provide metric design, justification shall be provided.

(c) Physical and operational interfaces between metric items and U.S. customary items will be designed to assure that interchangeability and interoperability will not be affected.

(d) Existing designs dimensioned in U.S. customary units will be converted to metric units only if determined to be necessary or advantageous. Unnecessary retrofit of existing systems with new metric components

will be avoided where both the new metric and existing units are interchangeable and interoperable. Normally, the system of measurement in which an item is originally designed will be retained for the life of the item.

(e) During the metric transition phase hybrid metric and U.S. customary designs will be necessary and acceptable. Material components, parts, subassemblies, and semi-fabricated material, which are of adequate or when it is otherwise specifically determined to be in the best interest of the Department of Defense. Bulk materials will be specified and accepted in metric units when it is expedient or economical to do so.

(f) Technical reports, studies, and position papers, (except those pertaining to items dimensioned in U.S. customary units) will include metric units of measurement in addition to or in lieu of U.S. customary units. With respect to existing contracts, this requirement applies only if such documentation can be obtained without an increase in contract costs.

(g) Use of the dual dimensions (i.e., both metric and U.S. customary dimensions) on drawings will be avoided unless it is determined in specific instances that such usage will be beneficial. However, the use of tables on the document to translate dimensions from one system of measurement to the other is acceptable.

H-10 Proprietary Technical Data and Computer Software

Any deliverable technical data or computer software developed or generated at private expense and considered to be proprietary by the Contractor or subcontractors shall be delivered in accordance with DFARS 252.227-7013 and 252.227-7014. A list of such data and/or software is incorporated into the contract as Attachment No. 2.

H-11 Contractor Representations and Certifications

The Contractor's Representations and Certifications dated March 22, 2013 and the Contractor's On-Line Representations and Certifications (ORCA) are incorporated herein by reference.

H-12 Small Business Subcontracting Plan and Goals

The Contractor's Small Business Subcontracting Plan, dated April 5, 2013, is incorporated herein and made a part of this contract by reference.

H-13 Title to Equipment (Nonprofit Institutions of Higher Education and Nonprofit Organizations)

In accordance with FAR 35.014, "Government property and title", title to all equipment purchased with funds available for research under this contract shall vest in the acquiring nonprofit institution, namely George Mason University and Princeton University, upon acquisition without further obligation to the Government. The equipment shall be used for the conduct of basic or applied scientific research.

H-14 Export Control

(a) *Definition.* "Export-controlled items," as used in this clause, means items subject to the Export Administration Regulations (EAR) (15 CFR Parts 730-774) or the International Traffic in Arms Regulations (ITAR) (22 CFR Parts 120-130). The term includes:

1) "Defense items," defined in the Arms Export Control Act, 22 U.S.C. 2778(j)(4)(A), as defense articles, defense services, and related technical data, and further defined in the ITAR, 22 CFR Part 120.

2) "Items," defined in the EAR as "commodities", "software", and "technology," terms that are also defined in the EAR, 15 CFR 772.1.

(b) The Contractor shall comply with all applicable laws and regulations regarding export-controlled items, including, but not limited to, the requirement for contractors to register with the Department of State in accordance with the ITAR. The Contractor shall consult with the Department of State regarding any questions relating to compliance with the ITAR and shall consult with the Department of Commerce regarding any questions relating to compliance with the EAR.

(c) The Contractor's responsibility to comply with all applicable laws and regulations regarding export-controlled items exists independent of, and is not established or limited by, the information provided by this clause.

(d) Nothing in the terms of this contract adds, changes, supersedes, or waives any of the requirements of applicable Federal laws, Executive orders, and regulations,

including but not limited to—

(1) The Export Administration Act of 1979, as amended (50 U.S.C. App. 2401, *et seq.*);

(2) The Arms Export Control Act (22 U.S.C. 2751, *et seq.*);

(3) The International Emergency Economic Powers Act (50 U.S.C. 1701, *et seq.*);

(4) The Export Administration Regulations (15 CFR Parts 730-774);

(5) The International Traffic in Arms Regulations (22 CFR Parts 120-130);

and

(6) Executive Order 13222, as extended;

(e) The Contractor shall include the substance of this clause, including this paragraph (e), in all subcontracts.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	JAN 2012
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	SEP 2006
52.203-7	Anti-Kickback Procedures	OCT 2010
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	OCT 2010
52.204-4	Printed or Copied Double-Sided on Postconsumer Fiber Content Paper	MAY 2011
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards	AUG 2012
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	DEC 2010
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters	FEB 2012
52.215-2	Audit and Records--Negotiation	OCT 2010
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-10	Price Reduction for Defective Certified Cost or Pricing Data	AUG 2011
52.215-12	Subcontractor Certified Cost or Pricing Data	OCT 2010
52.215-15	Pension Adjustments and Asset Reversions	OCT 2010
52.215-17	Waiver of Facilities Capital Cost of Money	OCT 1997
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other than Pensions	JUL 2005
52.215-21	Requirements for Certified Cost or Pricing Data or Information Other Than Certified Cost or Pricing Data-- Modifications	OCT 2010
52.215-23 Alt I	Limitations on Pass-Through Charges	OCT 2009
52.216-8	Fixed Fee	JUN 2011
52.219-8	Utilization of Small Business Concerns	JAN 2011
52.219-9	Small Business Subcontracting Plan	JAN 2011
52.219-16	Liquidated Damages-Subcontracting Plan	JAN 1999
52.222-3	Convict Labor	JUN 2003
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	MAR 2007
52.222-35	Equal Opportunity for Veterans	SEP 2010
52.222-36	Affirmative Action For Workers With Disabilities	OCT 2010
52.222-37	Employment Reports on Veterans	SEP 2010
52.222-50	Combating Trafficking in Persons	FEB 2009
52.222-54	Employment Eligibility Verification	JUL 2012
52.223-16 Alt I	IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (Dec 2007) Alternate I	DEC 2007
52.223-18	Encouraging Contractor Policies To Ban Text Messaging While Driving	AUG 2011
52.225-13	Restrictions on Certain Foreign Purchases	JUN 2008

52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	DEC 2007
52.228-7	Insurance--Liability To Third Persons	MAR 1996
52.232-2	Payments Under Fixed-Price Research And Development Contracts	APR 1984
52.232-9	Limitation On Withholding Of Payments	APR 1984
52.232-17	Interest	OCT 2010
52.232-22	Limitation Of Funds	APR 1984
52.232-25	Prompt Payment	OCT 2008
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	OCT 2003
52.233-1	Disputes	JUL 2002
52.233-3 Alt I	Protest After Award (Aug 1996) - Alternate I	JUN 1985
52.233-4	Applicable Law for Breach of Contract Claim	OCT 2004
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-3	Penalties for Unallowable Costs	MAY 2001
52.242-4	Certification of Final Indirect Costs	JAN 1997
52.242-13	Bankruptcy	JUL 1995
52.243-1 Alt V	Changes--Fixed-Price (Aug 1987) - Alternate V	APR 1984
52.243-2 Alt V	Changes--Cost-Reimbursement (Aug 1987) - Alternate V	APR 1984
52.244-5	Competition In Subcontracting	DEC 1996
52.244-6	Subcontracts for Commercial Items	DEC 2010
52.245-1	Government Property	APR 2012
52.245-9	Use And Charges	APR 2012
52.245-9	Use And Charges	APR 2012
52.246-23	Limitation Of Liability	FEB 1997
52.247-63	Preference For U.S. Flag Air Carriers	JUN 2003
52.249-1	Termination For Convenience Of The Government (Fixed Price) (Short Form)	APR 1984
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	APR 2012
52.249-6	Termination (Cost Reimbursement)	MAY 2004
52.249-9	Default (Fixed-Priced Research And Development)	APR 1984
52.249-14	Excusable Delays	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.201-7000	Contracting Officer's Representative	DEC 1991
252.203-7000	Requirements Relating to Compensation of Former DoD Officials	SEP 2011
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	DEC 2008
252.203-7002	Requirement to Inform Employees of Whistleblower Rights	JAN 2009
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004 Alt A	Central Contractor Registration Alternate A	FEB 2013
252.205-7000	Provision Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	DEC 2006
252.211-7003	Item Identification and Valuation	JUN 2011
252.215-7000	Pricing Adjustments	DEC 2012
252.215-7002	Cost Estimating System Requirements	DEC 2012
252.222-7006	Restrictions on the Use of Mandatory Arbitration Agreements	DEC 2010
252.225-7002	Qualifying Country Sources As Subcontractors	DEC 2012
252.225-7006	Quarterly Reporting of Actual Contract Performance Outside the United States	OCT 2010
252.225-7012	Preference For Certain Domestic Commodities	FEB 2013

252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns	SEP 2004
252.227-7013	Rights in Technical Data--Noncommercial Items	FEB 2012
252.227-7014	Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	FEB 2012
252.227-7015	Technical Data--Commercial Items	DEC 2011
252.227-7016	Rights in Bid or Proposal Information	JAN 2011
252.227-7019	Validation of Asserted Restrictions--Computer Software	SEP 2011
252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	MAR 2011
252.227-7027	Deferred Ordering Of Technical Data Or Computer Software	APR 1988
252.227-7030	Technical Data--Withholding Of Payment	MAR 2000
252.227-7037	Validation of Restrictive Markings on Technical Data	JUN 2012
252.227-7038	Patent Rights--Ownership by the Contractor (Large Business)	JUN 2012
252.231-7000	Supplemental Cost Principles	DEC 1991
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	JUN 2012
252.232-7010	Levies on Contract Payments	DEC 2006
252.233-7001	Choice of Law (Overseas)	JUN 1997
252.235-7011	Final Scientific or Technical Report	NOV 2004
252.239-7001	Information Assurance Contractor Training and Certification	JAN 2008
252.242-7004	Material Management And Accounting System	MAY 2011
252.242-7006	Accounting System Administration	FEB 2012
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	DEC 2012
252.244-7000	Subcontracts for Commercial Items and Commercial Components (DoD Contracts)	MAR 2013
252.245-7001	Tagging, Labeling, and Marking of Government-Furnished Property	APR 2012
252.245-7002	Reporting Loss of Government Property	APR 2012
252.245-7003	Contractor Property Management System Administration	APR 2012
252.245-7004	Reporting, Reutilization, and Disposal	APR 2012
252.247-7023	Transportation of Supplies by Sea	MAY 2002
252.247-7024	Notification Of Transportation Of Supplies By Sea	MAR 2000

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52.203-14 DISPLAY OF HOTLINE POSTER(S) (DEC 2007)

(a) Definition.

United States, as used in this clause, means the 50 States, the District of Columbia, and outlying areas.

(b) Display of fraud hotline poster(s). Except as provided in paragraph (c)--

(1) During contract performance in the United States, the Contractor shall prominently display in common work areas within business segments performing work under this contract and at contract work sites--

(i) Any agency fraud hotline poster or Department of Homeland Security (DHS) fraud hotline poster identified in paragraph (b)(3) of this clause; and

(ii) Any DHS fraud hotline poster subsequently identified by the Contracting Officer.

(2) Additionally, if the Contractor maintains a company website as a method of providing information to employees, the Contractor shall display an electronic version of the poster(s) at the website.

(3) Any required posters may be obtained as follows:

Poster(s) Obtain from

DoD Inspector General, ATTN: Defense Hotline, 400 Army Navy Drive, Washington DC 22202-2884

(i) Appropriate agency name(s) and/or title of applicable Department of Homeland Security fraud hotline poster); and

(ii) The website(s) or other contact information for obtaining the poster(s).)

(c) If the Contractor has implemented a business ethics and conduct awareness program, including a reporting mechanism, such as a hotline poster, then the Contractor need not display any agency fraud hotline posters as required in paragraph (b) of this clause, other than any required DHS posters.

(d) Subcontracts. The Contractor shall include the substance of this clause, including this paragraph (d), in all subcontracts that exceed \$5,000,000, except when the subcontract--

(1) Is for the acquisition of a commercial item; or

(2) Is performed entirely outside the United States.

(End of clause)

52.215-19 NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall--

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

(End of clause)

52.216-7 ALLOWABLE COST AND PAYMENT (JUN 2011)

(a) Invoicing.

(1) The Government will make payments to the Contractor when requested as work progresses, but (except for small business concerns) not more often than once every 2 weeks, in amounts determined to be allowable by the Contracting Officer in accordance with Federal Acquisition Regulation (FAR) subpart 31.2 in effect on the date of this contract and the terms of this contract. The Contractor may submit to an authorized representative of the Contracting Officer, in such form and reasonable detail as the representative may require, an invoice or voucher supported by a statement of the claimed allowable cost for performing this contract.

(2) Contract financing payments are not subject to the interest penalty provisions of the Prompt Payment Act. Interim payments made prior to the final payment under the contract are contract financing payments, except interim payments if this contract contains Alternate I to the clause at 52.232-25.

(3) The designated payment office will make interim payments for contract financing on the 30th day after the designated billing office receives a proper payment request.

In the event that the Government requires an audit or other review of a specific payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the specified due date.

(b) Reimbursing costs. (1) For the purpose of reimbursing allowable costs (except as provided in subparagraph (b)(2) of the clause, with respect to pension, deferred profit sharing, and employee stock ownership plan contributions), the term "costs" includes only--

(i) Those recorded costs that, at the time of the request for reimbursement, the Contractor has paid by cash, check, or other form of actual payment for items or services purchased directly for the contract;

(ii) When the Contractor is not delinquent in paying costs of contract performance in the ordinary course of business, costs incurred, but not necessarily paid, for--

(A) Supplies and services purchased directly for the contract and associated financing payments to subcontractors, provided payments determined due will be made--

(1) In accordance with the terms and conditions of a subcontract or invoice; and

(2) Ordinarily within 30 days of the submission of the Contractor's payment request to the Government;

(B) Materials issued from the Contractor's inventory and placed in the production process for use on the contract;

(C) Direct labor;

(D) Direct travel;

(E) Other direct in-house costs; and

(F) Properly allocable and allowable indirect costs, as shown in the records maintained by the Contractor for purposes of obtaining reimbursement under Government contracts; and

(iii) The amount of financing payments that have been paid by cash, check, or other forms of payment to subcontractors.

(2) Accrued costs of Contractor contributions under employee pension plans shall be excluded until actually paid unless--

(i) The Contractor's practice is to make contributions to the retirement fund quarterly or more frequently; and

(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractor's indirect costs for payment purposes).

(3) Notwithstanding the audit and adjustment of invoices or vouchers under paragraph (g) of this clause, allowable indirect costs under this contract shall be obtained by applying indirect cost rates established in accordance with paragraph (d) of this clause.

(4) Any statements in specifications or other documents incorporated in this contract by reference designating performance of services or furnishing of materials at the Contractor's expense or at no cost to the Government shall be disregarded for purposes of cost-reimbursement under this clause.

(c) Small business concerns. A small business concern may receive more frequent payments than every 2 weeks.

(d) Final indirect cost rates. (1) Final annual indirect cost rates and the appropriate bases shall be established in accordance with Subpart 42.7 of the Federal Acquisition Regulation (FAR) in effect for the period covered by the indirect cost rate proposal.

(2)(i) The Contractor shall submit an adequate final indirect cost rate proposal to the Contracting Officer (or cognizant Federal agency official) and auditor within the 6-month period following the expiration of each of its fiscal years. Reasonable extensions, for exceptional circumstances only, may be requested in writing by the Contractor and granted in writing by the Contracting Officer. The Contractor shall support its proposal with adequate supporting data.

(ii) The proposed rates shall be based on the Contractor's actual cost experience for that period. The appropriate Government representative and the Contractor shall establish the final indirect cost rates as promptly as practical after receipt of the Contractor's proposal.

(iii) An adequate indirect cost rate proposal shall include the following data unless otherwise specified by the cognizant Federal agency official:

(A) Summary of all claimed indirect expense rates, including pool, base, and calculated indirect rate.

(B) General and Administrative expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts).

(C) Overhead expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) for each final indirect cost pool.

(D) Occupancy expenses (intermediate indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) and expense reallocation to final indirect cost pools.

(E) Claimed allocation bases, by element of cost, used to distribute indirect costs.

(F) Facilities capital cost of money factors computation.

(G) Reconciliation of books of account (i.e., General Ledger) and claimed direct costs by major cost element.

(H) Schedule of direct costs by contract and subcontract and indirect expense applied at claimed rates, as well as a subsidiary schedule of Government participation percentages in each of the allocation base amounts.

(I) Schedule of cumulative direct and indirect costs claimed and billed by contract and subcontract.

(J) Subcontract information. Listing of subcontracts awarded to companies for which the contractor is the prime or upper-tier contractor (include prime and subcontract numbers; subcontract value and award type; amount claimed during the fiscal year; and the subcontractor name, address, and point of contact information).

(K) Summary of each time-and-materials and labor-hour contract information, including labor categories, labor rates, hours, and amounts; direct materials; other direct costs; and, indirect expense applied at claimed rates.

(L) Reconciliation of total payroll per IRS form 941 to total labor costs distribution.

(M) Listing of decisions/agreements/approvals and description of accounting/organizational changes.

(N) Certificate of final indirect costs (see 52.242-4, Certification of Final Indirect Costs).

(O) Contract closing information for contracts physically completed in this fiscal year (include contract number, period of performance, contract ceiling amounts, contract fee computations, level of effort, and indicate if the contract is ready to close).

(iv) The following supplemental information is not required to determine if a proposal is adequate, but may be required during the audit process:

(A) Comparative analysis of indirect expense pools detailed by account to prior fiscal year and budgetary data.

(B) General Organizational information and Executive compensation for the five most highly compensated executives. See 31.205-6(p). Additional salary reference information is available at http://www.whitehouse.gov/omb/procurement_index_exec_comp/.

(C) Identification of prime contracts under which the contractor performs as a subcontractor.

(D) Description of accounting system (excludes contractors required to submit a CAS Disclosure Statement or contractors where the description of the accounting system has not changed from the previous year's submission).

(E) Procedures for identifying and excluding unallowable costs from the costs claimed and billed (excludes contractors where the procedures have not changed from the previous year's submission).

(F) Certified financial statements and other financial data (e.g., trial balance, compilation, review, etc.).

(G) Management letter from outside CPAs concerning any internal control weaknesses.

(H) Actions that have been and/or will be implemented to correct the weaknesses described in the management letter from subparagraph G) of this section.

(I) List of all internal audit reports issued since the last disclosure of internal audit reports to the Government.

(J) Annual internal audit plan of scheduled audits to be performed in the fiscal year when the final indirect cost rate submission is made.

(K) Federal and State income tax returns.

(L) Securities and Exchange Commission 10-K annual report.

(M) Minutes from board of directors meetings.

(N) Listing of delay claims and termination claims submitted which contain costs relating to the subject fiscal year.

(O) Contract briefings, which generally include a synopsis of all pertinent contract provisions, such as: Contract type, contract amount, product or service(s) to be provided, contract performance period, rate ceilings, advance approval requirements, pre-contract cost allowability limitations, and billing limitations.

(v) The Contractor shall update the billings on all contracts to reflect the final settled rates and update the schedule of cumulative direct and indirect costs claimed and billed, as required in paragraph (d)(2)(iii)(I) of this section, within 60 days after settlement of final indirect cost rates.

(3) The Contractor and the appropriate Government representative shall execute a written understanding setting forth the final indirect cost rates. The understanding shall specify (i) the agreed-upon final annual indirect cost rates, (ii) the bases to which the rates apply, (iii) the periods for which the rates apply, (iv) any specific indirect cost items treated as direct costs in the settlement, and (v) the affected contract and/or subcontract, identifying any with advance agreements or special terms and the applicable rates. The understanding shall not change any monetary ceiling, contract obligation, or specific cost allowance or disallowance provided for in this contract. The understanding is incorporated into this contract upon execution.

(4) Failure by the parties to agree on a final annual indirect cost rate shall be a dispute within the meaning of the Disputes clause.

(5) Within 120 days (or longer period if approved in writing by the Contracting Officer) after settlement of the final annual indirect cost rates for all years of a physically complete contract, the Contractor shall submit a completion invoice or voucher to reflect the settled amounts and rates. The completion invoice or voucher shall include settled subcontract amounts and rates. The prime contractor is responsible for settling subcontractor amounts and rates included in the completion invoice or voucher and providing status of subcontractor audits to the contracting officer upon request.

(6)(i) If the Contractor fails to submit a completion invoice or voucher within the time specified in paragraph (d)(5) of this clause, the Contracting Officer may--

(A) Determine the amounts due to the Contractor under the contract; and

(B) Record this determination in a unilateral modification to the contract.

(ii) This determination constitutes the final decision of the Contracting Officer in accordance with the Disputes clause.

(e) Billing rates. Until final annual indirect cost rates are established for any period, the Government shall reimburse the Contractor at billing rates established by the Contracting Officer or by an authorized representative (the cognizant auditor), subject to adjustment when the final rates are established. These billing rates--

(1) Shall be the anticipated final rates; and

(2) May be prospectively or retroactively revised by mutual agreement, at either party's request, to prevent substantial overpayment or underpayment.

(f) Quick-closeout procedures. Quick-closeout procedures are applicable when the conditions in FAR 42.708(a) are satisfied.

(g) Audit. At any time or times before final payment, the Contracting Officer may have the Contractor's invoices or vouchers and statements of cost audited. Any payment may be (1) Reduced by amounts found by the Contracting Officer not to constitute allowable costs or (2) Adjusted for prior overpayments or underpayments.

(h) Final payment. (1) Upon approval of a completion invoice or voucher submitted by the Contractor in accordance with paragraph (d)(5) of this clause, and upon the Contractor's compliance with all terms of this contract, the Government shall promptly pay any balance of allowable costs and that part of the fee (if any) not previously paid.

(2) The Contractor shall pay to the Government any refunds, rebates, credits, or other amounts (including interest, if any) accruing to or received by the Contractor or any assignee under this contract, to the extent that those amounts are properly allocable to costs for which the Contractor has been reimbursed by the Government. Reasonable expenses incurred by the Contractor for securing refunds, rebates, credits, or other amounts shall be allowable costs if approved by the Contracting Officer. Before final payment under this contract, the Contractor and each assignee whose assignment is in effect at the time of final payment shall execute and deliver--

(i) An assignment to the Government, in form and substance satisfactory to the Contracting Officer, of refunds, rebates, credits, or other amounts (including interest, if any) properly allocable to costs for which the Contractor has been reimbursed by the Government under this contract; and

(ii) A release discharging the Government, its officers, agents, and employees from all liabilities, obligations, and claims arising out of or under this contract, except--

- (A) Specified claims stated in exact amounts, or in estimated amounts when the exact amounts are not known;
- (B) Claims (including reasonable incidental expenses) based upon liabilities of the Contractor to third parties arising out of the performance of this contract; provided, that the claims are not known to the Contractor on the date of the execution of the release, and that the Contractor gives notice of the claims in writing to the Contracting Officer within 6 years following the release date or notice of final payment date, whichever is earlier; and
- (C) Claims for reimbursement of costs, including reasonable incidental expenses, incurred by the Contractor under the patent clauses of this contract, excluding, however, any expenses arising from the Contractor's indemnification of the Government against patent liability.

(End of clause)

52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

- (a) The Government may extend the term of this contract by written notice to the Contractor:

CLIN 0009 within twelve (12) months from the effective date of CLIN 0001;

provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least sixty (60) days before the contract expires. The preliminary notice does not commit the Government to an extension.

- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed eighteen (18) months.

(End of clause)

52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)

- (a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed \$0.00 or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

- (b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall--

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

* Insert either "zero" or the dollar amount agreed to during negotiations. The inserted figure does not apply to the exceptions in paragraph (a)(1) through (a)(4) of the clause.

(End of clause)

52.227-1 AUTHORIZATION AND CONSENT. (DEC 2007) -- ALTERNATE I (APR 1984)

(a) The Government authorizes and consents to all use and manufacture, in performing this contract or any subcontract at any tier, of any invention described in and covered by a United States patent--

(1) Embodied in the structure or composition of any article the delivery of which is accepted by the Government under this contract; or

(2) Used in machinery, tools, or methods whose use necessarily results from compliance by the Contractor or a subcontractor with (i) specifications or written provisions forming a part of this contract or (ii) specific written instructions given by the Contracting Officer directing the manner of performance. The entire liability to the Government for infringement of a United States patent shall be determined solely by the provisions of the indemnity clause, if any, included in this contract or any subcontract hereunder (including any lower-tier subcontract), and the Government assumes liability for all other infringement to the extent of the authorization and consent hereinabove granted.

(b) The Contractor shall include the substance of this clause, including this paragraph (b), in all subcontracts that are expected to exceed the simplified acquisition threshold. However, omission of this clause from any subcontract, including those at or below the simplified acquisition threshold, does not affect this authorization and consent.

(End of clause)

52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)

United States law will apply to resolve any claim of breach of this contract.

(End of clause)

52.244-2 SUBCONTRACTS (OCT 2010)

(a) Definitions. As used in this clause--

Approved purchasing system means a Contractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR).

Consent to subcontract means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

Subcontract means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) of this clause.

(c) If the Contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that—

(1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or

(2) Is fixed-price and exceeds—

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For a contract awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts:

(e)(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.

(vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.

(vii) A negotiation memorandum reflecting—

(A) The principal elements of the subcontract price negotiations;

(B) The most significant considerations controlling establishment of initial or revised prices;

(C) The reason certified cost or pricing data were or were not required;

(D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;

(E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;

(F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and

(G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (c), (d), or (e) of this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination—

(1) Of the acceptability of any subcontract terms or conditions;

(2) Of the allowability of any cost under this contract; or

(3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:

(b)(4)

A rectangular box with a black border, containing the text "(b)(4)" in the top-left corner. The rest of the box is filled with a solid gray color, indicating redacted information.

(End of clause)

52.247-1 COMMERCIAL BILL OF LADING NOTATIONS (FEB 2006)

When the Contracting Officer authorizes supplies to be shipped on a commercial bill of lading and the Contractor will be reimbursed these transportation costs as direct allowable costs, the Contractor shall ensure before shipment is made that the commercial shipping documents are annotated with either of the following notations, as appropriate:

(a) If the Government is shown as the consignor or the consignee, the annotation shall be:

"Transportation is for supplies under Contract HR0011-13-C-0058 and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the Government."

(b) If the Government is not shown as the consignor or the consignee, the annotation shall be:

"Transportation is for supplies under Contract HR0011-13-C-0058 and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement Contract No. HR0011-13-C-0058. This may be confirmed by contacting Mr. Michael S. Mutty, Contracting Officer at (571) 218-4588 or Michael.Mutty@darpa.mil."

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

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

<http://farsite.hill.af.mil>

(End of clause)

52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

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

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

(End of clause)

252.204-7006 BILLING INSTRUCTIONS (OCT 2005)

When submitting a request for payment, the Contractor shall--

(a) Identify the contract line item(s) on the payment request that reasonably reflect contract work performance; and

(b) Separately identify a payment amount for each contract line item included in the payment request.

(End of clause)

252.235-7010 Acknowledgment of Support and Disclaimer. (MAY 1995)

(a) The Contractor shall include an acknowledgment of the Government's support in the publication of any material based on or developed under this contract, stated in the following terms: This material is based upon work supported by the Defense Advanced Research Projects Agency under Contract No. HR0011-13-C-0058.

(b) All material, except scientific articles or papers published in scientific journals, must, in addition to any notices or disclaimers by the Contractor, also contain the following disclaimer: Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Defense Advanced Research Projects Agency.

Section J - List of Documents, Exhibits and Other Attachments

- | | |
|--------------|--|
| Attachment 1 | Statement of Work – April 5, 2013 |
| Attachment 2 | Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Data |

STATEMENT OF WORK
APRIL 5, 2013

BASE PERIOD

The objective of the Base Program is to demonstrate the detection of an appreciable quantity

of (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) and (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) embedded in an opaque media with high water content, via (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) with False Positive Rates and False Negative Rates of (b)(3):22 USC § 2778(e) Sec 38(e)

and with measurement times of under (b)(3):22 USC § 2778(e) Sec 38(e) To accomplish this we will (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

The (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) will be based on the work of (b)(3):22 USC § 2778(e) Sec 38(e) This will require component and electronics fabrication which must be purpose designed (using COTS materials). As well (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Task 1 Component/Subsystem R&D

Perform R&D on components and subsystems required for proposed experiments in Base and Option Programs.

Task 1.2

Description of the Objective: Carry out development of the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) which will enable (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Itemization and Description of the Tasking/Approach: (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) using COTS components and materials.

Completion Criteria: Fabrication of (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Deliverables:

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Task 1.3

Description of the Objective: Carry out the design of the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Itemization and Description of the Tasking/Approach (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Deliverables: Characterization data. Delivered for Tasks (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Task 1.5 (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Description of the Objective: Develop and fabricate (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

In addition, the required (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted] will also be fabricated. Initially, we will use the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Itemization and Description of the Tasking/Approach: (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

using COTS components. The (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted] will be fabricated.

Completion Criteria: Fabrication and characterization of the required number of (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Deliverables: Characterization data. (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Task 1.6 (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Description of the Objective: Assemble required (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Itemization and Description of the Tasking/Approach: This task will be carried out using COTS components.

Completion Criteria: Assembly and characterization of the required number of

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Deliverables: Characterization data. Components delivered to for Task (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Task 1.7 (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Description of the Objective: Design and fabricate the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

Itemization and Description of the Tasking/Approach: Carried out using COTS components (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [Redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Completion Criteria: Completion of the [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Deliverables: Measured output performance. Will be used in [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) **Task 2** [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Execute sub-tasks that are required for integration of components from [redacted] and prepare for [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) **Task 2.1** [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Description of the Objective: Carry out [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Itemization and Description of the Tasking/Approach: Consist of [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Completion Criteria: Completion of the [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Deliverables: Report summarizing the work. Data will be used in [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) **Task 2.2** [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Description of the Objective: Develop the [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Itemization and Description of the Tasking/Approach: Carried out by using existing instrumentation owned by NIITEK and [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Completion Criteria: Confirmation the [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Deliverables: Results of [redacted] testing. Will be used in [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(3):22

Task 2.3

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Description of the Objective: Write real-time software and (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) to process data from the apparatus. (b)(3):22 USC § 2778, (b)(3):22

(b)(3):22
USC § 2778,
(b)(3):22

Itemization and Description of the Tasking/Approach: Carried out by utilizing the results from Tasks (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) and a COTS PC.

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,

Completion Criteria: Confirmation that the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,

Deliverables: (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,

Task 3

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) work from the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,

Task 3.1

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Description of the Objective: Assemble (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Take the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,

Itemization and Description of the Tasking/Approach: Fabricate a simple (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(3):22

Completion Criteria: Operating (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,

Deliverables: Results of the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) including the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) The (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) will be used for remainder of the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Deliverables: Results of the

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Task 4.3

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Description of the Objective: Execute

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Itemization and Description of the Tasking/Approach: Carried out by NIITEK using

(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Completion Criteria: Completion the

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Deliverables:

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Task 5 Reporting

Task 5.1 Quarterly Reports

Reports due per the Terms of the Contract.

Task 5.2 Final Report

A final report of Base Program due at the end of the Base Period.

OPTION 1

The objective of the Option Program is to

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Task 2

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Prepare the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Task 2.2

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Description of the Objective: Prepare the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Task 4 Reporting

Task 4.1 Quarterly Reports

Reports due per the Terms of the Contract.

Task 4.2 Final Report

A final report of the Option Program due at the end of the Option Period.

**IDENTIFICATION AND ASSERTION OF RESTRICTIONS
ON THE GOVERNMENT'S USE, RELEASE, OR DISCLOSURE OF DATA**

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

Technical Data or Computer Software to be Furnished with Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
(b)(3):22 USC § 2778, (b)(3)(A) (b)(3):22 USC § 2778, (b)(3)(A) (b)(3):22 USC § 2778, (b)(3)(A) (b)(3):22 USC § 2778, (b)(3)(A)	Developed exclusively at Private Expense Reference (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)	Limited Rights	(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
	Developed exclusively at Private Expense Reference (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)	Limited Rights	
	Developed exclusively at Private Expense Reference (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)	Limited Rights	

*For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such item, component, or process. For computer software or computer software documentation identify the software or documentation.

**Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

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

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

*****Enter "none" when all data or software will be submitted without restrictions.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE U	PAGE OF PAGES 1 10	
2. AMENDMENT/MODIFICATION NO. P00001	3. EFFECTIVE DATE 01-Jun-2013	4. REQUISITION/PURCHASE REQ. NO. HR001132127		5. PROJECT NO.(If applicable)	
6. ISSUED BY DARPA CMO ATTN: MICHAEL MUTTY 675 N. RANDOLPH STREET ARLINGTON VA 22203-2114	CODE HR0011	7. ADMINISTERED BY (If other than item 6) DCMA MANASSAS 10500 BATTLEVIEW PARKWAY SUITE 200 MANASSAS VA 20109-2342		CODE	S2404A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) NIITEK, INC 23031 LADBROOK DR STE 100 DULLES VA 20166-2118			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X	10A. MOD. OF CONTRACT/ORDER NO. HR0011-13-C-0058	
			X	10B. DATED (SEE ITEM 13) 01-Jun-2013	
CODE 1TBR6	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) FAR 43.103(a)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(6) SEE PAGE 2					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) MICHAEL S. MUTTY TEL:571-218-4588 EMAIL: Michael.Mutty@darpa.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

The purpose of this modification is to (1) revise the Funding Line of Accounting for CLINS 0001 through 0008; (2) revise Article H-3; and (3) make other administrative changes. Accordingly, HR0011-13-C-0058 is revised as follows:

1. SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000102 is added as follows:

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000102	FUNDING FOR CLIN 0001 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$221,993.00

SUBCLIN 000202 is added as follows:

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000202	FUNDING FOR CLIN 0002 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$262,347.00

SUBCLIN 000302 is added as follows:

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000302	FUNDING FOR CLIN 0003 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$214,416.00

SUBCLIN 000402 is added as follows:

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000402	FUNDING FOR CLIN 0004 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$176,449.00

SUBCLIN 000502 is added as follows:

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000502	FUNDING FOR CLIN 0005 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$114,368.00

SUBCLIN 000602 is added as follows:

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000602	FUNDING FOR CLIN 0006 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$100,067.00

SUBCLIN 000702 is added as follows:

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000702	FUNDING FOR CLIN 0007 FFP FOB: Destination PR No. HR001132127				\$0.00
				NET AMT	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$70,309.00

SUBCLIN 000802 is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
000802	FUNDING FOR CLIN 0008 CPFF FOB: Destination PR No. HR001132127	\$0.00	\$0.00	\$0.00
	ACRN AB			\$973,906.00

2. SECTION G - CONTRACT ADMINISTRATION DATA

The following Clause is added in Full Text as follows:

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (JUN 2012)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall--

(1) Have a designated electronic business point of contact in the Central Contractor Registration at <https://www.acquisition.gov>; and

(2) Be registered to use WAWF at <https://wawf.eb.mil/> following the step-by-step procedures for self-registration available at this Web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at <https://wawf.eb.mil/>.

(e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) Document type. The Contractor shall use the following document type(s).

Cost Voucher

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

Not Applicable

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	HQ0338
Issue By DoDAAC	HR0011
Admin DoDAAC	S2404A
Inspect By DoDAAC	Not Applicable
Ship To Code	Not Applicable
Ship From Code	Not Applicable
Mark For Code	Not Applicable
Service Approver (DoDAAC)	S2404A
Service Acceptor (DoDAAC)	Not Applicable
Accept at Other DoDAAC	Not Applicable
LPO DoDAAC	Not Applicable
DCAA Auditor DoDAAC	HAA47B
Other DoDAAC(s)	Not Applicable

(4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

brad.forch@us.army.mil

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

Not Applicable

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

Accounting and Appropriation is revised in its entirety as follows:

Accounting and Appropriation

Summary for the Payment Office

SUBCLIN 000101:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$221,993.00 from \$221,993.00 to \$0.00

SUBCLIN 000102:

Funding on SUBCLIN 000102 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$221,993.00

Total: \$221,993.00

SUBCLIN 000201:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$262,347.00 from \$262,347.00 to \$0.00

SUBCLIN 000202:

Funding on SUBCLIN 000202 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$262,347.00

Total: \$262,347.00

SUBCLIN 000301:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$214,416.00 from \$214,416.00 to \$0.00

SUBCLIN 000302:

Funding on SUBCLIN 000302 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$214,416.00

Total: \$214,416.00

SUBCLIN 000401:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$176,449.00 from \$176,449.00 to \$0.00

SUBCLIN 000402:

Funding on SUBCLIN 000402 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$176,449.00

Total: \$176,449.00

SUBCLIN 000501:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$114,368.00 from \$114,368.00 to \$0.00

SUBCLIN 000502:

Funding on SUBCLIN 000502 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$114,368.00

Total: \$114,368.00

SUBCLIN 000601:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$100,067.00 from \$100,067.00 to \$0.00

SUBCLIN 000602:

Funding on SUBCLIN 000602 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$100,067.00

Total: \$100,067.00

SUBCLIN 000701:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$70,309.00 from \$70,309.00 to \$0.00

SUBCLIN 000702:

Funding on SUBCLIN 000702 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$70,309.00

Total: \$70,309.00

SUBCLIN 000801:

AA: 012193-21-2093-000-N-20122014-D--DQ426.MIPR2L105J7589.-2012.MBT-02-NA.D (CIN 00000000000000000000000000000000) was decreased by \$973,906.00 from \$973,906.00 to \$0.00

SUBCLIN 000802:

Funding on SUBCLIN 000802 is initiated as follows:

ACRN: AB

CIN: 00000000000000000000000000000000

Acctng Data: 21 2 2093 0000 5U 5U04 20190000 2512 81B9A6 JDJT MIPR2L105J7589 B9A681 S12193

Increase: \$973,906.00

Total: \$973,906.00

3. SECTION H - SPECIAL CONTRACT REQUIREMENTS

Section H-3 is revised in its entirety as follows:

H-3 Public Release or Dissemination of Information

(1) With the exception of the work to be performed by (b)(4) as noted at subparagraph (3) below, DARPA expects the work performed under this contract will NOT be fundamental research, and it is, therefore, subject to the following publication restrictions:

There shall be no dissemination or publication, except within and between the Contractor and any subcontractors, of information developed under this contract or contained in the reports to be furnished pursuant to this contract without prior written approval, which will be communicated to the Contractor by email through the DARPA Public Release Center (PRC) at PRC@darpa.mil. All technical reports will be given proper review by appropriate authority to determine which Distribution Statement is to be applied prior to the initial distribution of these reports by the Contractor. These restrictions must be flowed down to all subcontractors, with the exception of the subcontractors listed in paragraph (3) of this clause. Any publications shall incorporate an Acknowledgement of Support and Disclaimer in accordance with DFARs 252.235-7010.

(2) When submitting material for written approval for open publication as described in subparagraph (a) above, the Contractor must submit a request for public release request to the PRC and include the following information: 1) Document Information: document title, document author, short plain-language description of technology discussed in the material (approx 30 words), number of pages (or minutes of video) and document type (briefing, report, abstract, article, or paper); 2) Event Information: event type (conference, principle investigator meeting, article or paper), event date, desired date for DARPA's approval; 3) DARPA Sponsor: DARPA Program Manager, DARPA office, and contract number; and 4) Contractor's Information: POC name, e-mail and phone. Allow four weeks for processing; due dates under four weeks require a justification. Unusual electronic file formats may require additional processing time. Requests can be sent either via e-mail to PRC@darpa.mil or via hard copy to 675 North Randolph Street, Arlington VA 22203-2114, telephone (571) 218-4235. Refer to www.darpa.mil/prc for information about DARPA's public release process.

(3) At this time, DARPA expects the work performed under this contract by the below listed (b)(4) (b)(4) to be fundamental research, and it is, therefore, not subject to publication restrictions. Papers resulting from unclassified contracted fundamental research are exempt from prepublication controls and requirements, pursuant to DoD Instruction 5230.27 dated October 6, 1987. Should the character of the research change during performance of this subaward so that the research is no longer considered fundamental, the contract between the prime and University subcontractor listed below will be modified to impose the restrictions on public release and dissemination of information that apply to those research efforts that are not considered fundamental research.

Subcontractor Statement of Work Title and Date

Subcontractor	Statement of Work Title and Date
(b)(3):22 USC § 2778, (b)(4)	(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

4. All other terms and conditions of contract HR0011-13-C-0058 shall remain in full force and effect, unless otherwise stated in Modification P00001 herein.

(End of Summary of Changes)



DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
675 NORTH RANDOLPH STREET
ARLINGTON, VA 22203-2114

(b)(4),(b)(6)

JAN 3 1 2013

NIITEK, Inc.
23031 Ladbroke Drive
Dulles, VA 20166-2118

Ref. #: DARPA-13-01-MEDS-FP-007, Atomic Magnetometers Enabling Breakthrough
Nuclear Quadrupole Resonance Detection of Explosives

Dear

(b)(4),(b)(6)

This letter is in response to the proposal referenced above, submitted in response to the Defense Advanced Research Projects Agency (DARPA) Broad Agency Announcement (BAA) 13-01, Methods for Explosive Detection at Standoff. Your submission has been reviewed by a panel of Government experts against the criteria published in the BAA. Based on that review, your proposal was found to be selectable for funding. Please be advised that this letter is not a guarantee of funding, but rather an intent to negotiate the funding of elements of all tasks necessary to develop and demonstrate your proposed NQR system with a program value not to exceed \$2,253,305.00 for the 12-month base period (FY 12); and subtask 2.2 with a program value not to exceed \$250,000.00 for the 6-month option period. You should be contacted shortly by a contracting officer to begin the negotiation process.

Thank you for your interest in working with DARPA/DSO. We look forward to an exciting partnership.

Sincerely,

Judah Goldwasser, Ph.D.
Program Manager
Defense Sciences Office

(b)(4)



(b)(4)



Sponsored by
Defense Advanced Research Projects Agency
Defense Sciences Office (DSO)

Program: Methods for Explosive Detection at Standoff (MEDS)
Purchase Request No. HR001132127, Program Code: DQ426
Issued by DARPA/CMO under Contract No. HR0011-13-C-0058

Monthly Technical Report
Reporting Period: 1
July 5, 2013
Project Start Date: June 1, 2013

(b)(6)



NIITEK, Inc.
23031 Ladbroke Drive
Dulles, VA 20166

(b)(6)



The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the official policies, either expressly or implied, of the Defense Advanced Research Projects Agency or the U.S. Government.

(b)(4)

I. Executive Summary

During this reporting period all work required for Milestone 1 was completed. This incorporates work under Task (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) In summary:

- ❖ We have commenced (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
- ❖ Design activity has commenced or (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) based on work carried out under (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
- ❖ Commenced acquisition of (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
- ❖ Completed preliminary (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
- ❖ Started acquisition of COTS hardware for (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
- ❖ Continued research on (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
- ❖ Commenced commissioning of (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

A detailed list of the work performed is detailed in Section II of this report.

A work plan for the next reporting period is listed in Section III of this report.

II. Task Summary

II.1. Task 1.2 (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

One of the challenges in implementing an (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) necessary for operation. This includes tuning (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) We continued discussions with other members of the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)



Part of the Chemring Group

(b)(4)

[Redacted]

collaboratio

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Another challenge is to obtain

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Two approaches to this issue are being pursued. In one, a

(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

In another approach,

the

However, the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

This regime

(b)(3):22 USC § 2778(e) Sec 38(e)

In addition

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

to

analyze this

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

This allows us to estimate the

effects of

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

One result of this

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

It shows the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

In the presence of the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

A solution to this problem is to

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

This

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

If

the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

This places the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

We have procured COTS

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

Our design, shown in Figure 1, utilize

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

[Large redacted block]

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

The use of a

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

The first

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

we purchased were significantly

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

We obtained

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

One was found to have

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

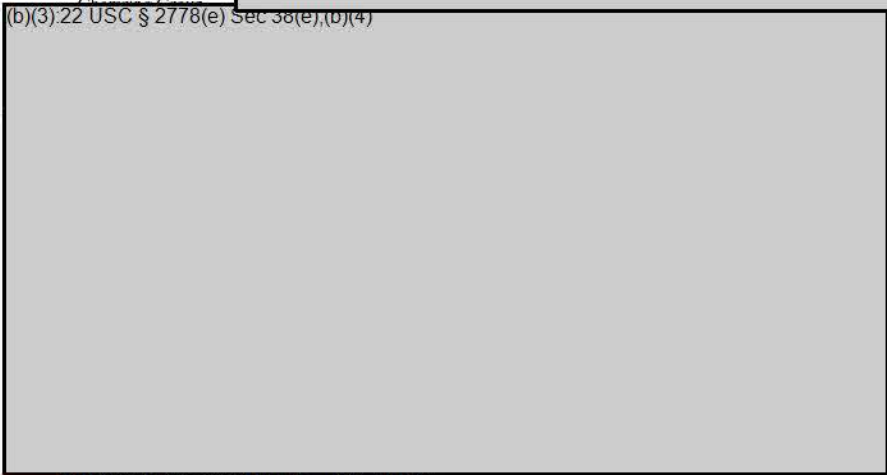
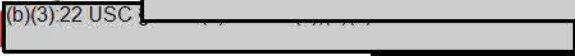


Figure 2.

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)



We completed the construction of [redacted] A photograph is shown in Figure 2.

II.2. Task 1.3

We have been working with th [redacted] We have been evaluating fabrication and assembly options.

A prototype [redacted] has been designed and is in the [redacted] phase of development. The design seeks to achieve [redacted]

Although the [redacted]

II.3. Task 1.5

We have placed orders for and [redacted]

We have placed an order for a [redacted]

We have begun th [redacted]

II.4. Task 1.6

We have completed preliminary [redacted]

We have now determined how [redacted]

Task 1.7

We have commenced [redacted]

(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

Figure 3 – (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Designs of the (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) As an example Figure 3 shows (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

II.5. Task 2.1 – (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) We need to be able

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) to

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Figure 4 shows (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) As depicted in Figure 5, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) from estimates of the

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) On the other hand the

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) To get an estimate of (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) If instead of (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

Figure 4:

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

Figure 5:

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(3):22
USC § 2778,
(b)(4)

By turning off

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

(b)(4)

[Redacted]

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
[Redacted]

(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
[Redacted]

(b)(3):22
USC § 2778,
(b)(3):22

Figure 6. By subtracting

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
[Redacted]

(b)(3):22
USC § 2778,
(b)(3):22

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
[Redacted]

(b)(3):22
USC § 2778,
(b)(3):22
USC § 2778,
(b)(3):22

Figure 7. Without the

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
[Redacted]

(b)(3):22
USC § 2778,
(b)(3):22

II.6. Task 2.3

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)
[Redacted]



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(b)(4)

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) We have commenced [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted] We have verified the operation of [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted] At the end of the period we started an effort to [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

III. Work Plan For Next Period

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) III.1. Task 1.2 [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) We plan to evaluate [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) III.2. Task 1.3 [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) We expect to fabricate and test the [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) III.3. Task 1.5 [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) III.4. Task 1.6 [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Continue design and fabrication of [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) III.5. Task 1.7 [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) We expect delivery of the [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) III.6. Task 2.1 [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) Continue our [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) III.7. Task 2.3 [redacted]

(b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) We will complete our [redacted] (b)(3):22 USC § 2778, (b)(3):22 USC § 2778(e) Sec 38(e),(b)(4) [redacted]

(b)(4)



(b)(4)



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(b)(6)



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(b)(6)



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III. Work Plan For Next Period

III.1. Task 1.2 - (b)(4)

We will continue to optimize the (b)(4)
Specifically, we will look at:

- ❖ Magnitude of the (b)(4)
- ❖ The larger (b)(4)

We will also look at the source of the (b)(4) And, we will continue to look at (b)(4)

(b)(4)

III.2. Task 1.3 - (b)(4)

We will complete the first (b)(4)
(b)(4)

We will complete the design of the (b)(4)
(b)(4)

III.3. Task 1.5 - (b)(4)

We will complete fabrication of the (b)(4) And, we will receive and test the (b)(4)

III.4. Task 1.6 - (b)(4)

We will receive the first set of (b)(4) and will continue to consider (b)(4) designs.

III.5. Task 1.7 - (b)(4)

We will:

- ❖ Continue to look at the (b)(4)
(b)(4)
- ❖ Consider a more (b)(4)

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(b)(4)

❖ Finalize the (b)(4)

(b)(4)

❖ Set up and (b)(4)

III.6. Task 2.1

(b)(4)

We will continue our work

(b)(4)

(b)(4)

III.7. Task 2.3

(b)(4)

We will:

❖ Finalize our investigation of (b)(4)

(b)(4)

❖ We will start to look at the (b)(4)

(b)(4)

❖ We will look at other (b)(4)

(b)(3);22 USC § 2778(e) Sec 38(e),(b)(4)

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(b)(4)

(b)(3):22 USC § 2778(e) Sec 38(e),(b)(4)

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