

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH ORDER/AGREEMENT NO. FA8650-13-D-6368	2. DELIVERY ORDER/ CALL NO. 0004	3. DATE OF ORDER/CALL (YYYYMMDD) 03 SEP 2013	4. REQUISITION/PURCH REQUEST NO. SEE SCHEDULE	5. PRIORITY DO-C9
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6. ISSUED BY AFRL/RQKHA USAF/AFMC AFRL WRIGHT RESEARCH SITE 2310 EIGHTH STREET, BUILDING 167 WRIGHT-PATTERSON AFB OH 45433-7801 (b) (6) 937-255-9573 (b) (6) @us.af.mil	CODE	FA8650	7. ADMINISTERED BY (If Other than 6) DCMA MANASSAS 10500 BATTLEVIEW PARKWAY SUITE 200 MANASSAS VA 20109-2342 DCMA.VIRGINIA@DCMA.MIL SCD: C PAS: (NONE)	CODE	S2404A	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
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9. CONTRACTOR GENERAL DYNAMICS INFORMATION TECHNOLOGY, INC. 3211 JERMANTOWN RD FAIRFAX VA 22030-2844 (703) 995-8666	CODE	07MU1	FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. X IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED WOMEN-OWNED
				12. DISCOUNT ITEMS N		
				13. MAIL INVOICES TO ADDRESS IN BLOCK SEE BLOCK 15 (PAYMENT OFFICE)		

14. SHIP TO SEE SCHEDULE	CODE		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER DFAS-CO/SOUTH ENTITLEMENT OPS P.O. BOX 182264 COLUMBUS OH 43218-2264 EFT:T	CODE	HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE		Reference your _____ furnish the following on items specified herein.
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.			

NAME OF CONTRACTOR _____ SIGNATURE _____ TYPED NAME AND TITLE _____ DATE SIGNED (YYYYMMDD) _____

If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE
SEE SCHEDULE

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/SERVICES	20. QUANTITY ORDERED/ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT

*If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA //signed// BY: (b) (6)	25. TOTAL \$1,969,042.00	29. DIFFERENCES
			03 SEP 2013 CONTRACTING/ORDERING OFFICER

26. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED	27. SHIP NO.	28. D.O. VOUCHER NO.	30. INITIALS
DATE _____ SIGNATURE AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT. DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____	<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAYMENT	34. CHECK NUMBER
			35. BILL OF LADING

37. RECEIVED AT	38. RECEIVED BY (Print)	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
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1. In accordance with basic contract Clause B040 "Ordering Procedures", the Contractor shall accomplish the effort as described in the attached Statement of Work (SOW) at Section J.

The following clauses are incorporated in accordance with the Basic IDIQ contract.

2. SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS:

B054 IMPLEMENTATION OF LIMITATION OF FUNDS (DEC 2005)

Pursuant to the clause FAR 52.232-22 in Section I entitled, "Limitation of Funds", the total amount available for payment and allotted to this contract for all CLINs is **\$234,231**. It is estimated that this amount is sufficient to cover task order performance through **30 Sept 14**. (*Government estimate*).

B058 CONTRACT TYPE: COST-PLUS-FIXED-FEE (DEC 2005) (TAILORED)

The estimated cost and fee for this task order are shown below. The applicable fixed fee set forth below may be increased or decreased only by negotiation and modification of the order for added or deleted work. Fee shall be paid as it accrues, in regular installments based upon the percentage of completion of work.

Estimated Cost: (b) (4)
 Fixed Fee: (b) (4)
Total CPFF: \$ 1,969,042

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0001		1 Lot	\$1,969,042.00 NTE \$1,969,042.00
	<i>Noun:</i>	RESEARCH AND DATA	
	<i>NSN:</i>	N - Not Applicable	
	<i>DD1423 is Exhibit:</i>	A	
	<i>Contract type:</i>	U - COST PLUS FIXED FEE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	Conduct research in accordance with Statement of Work entitled, " Human Effectiveness Analysis and Integration " dated 12 APR 13 in accordance with Section C, Descriptions/Specifications, Attachment 1, Section J hereto. Deliver data in accordance with Exhibit A, Contract Data Requirements List, DD Form 1423-1, dated 26 NOV 12, attached to the basic contract.		
000101			
	<i>Noun:</i>	Funding Info Only	
	<i>ACRN:</i>	AA (b) (4)	
	<i>PR/MIPR:</i>	F4FBRD3200B001	(b) (4)
000102			
	<i>Noun:</i>	Funding Info Only	
	<i>ACRN:</i>	AB (b) (4)	
	<i>PR/MIPR:</i>	F4FBRD3232B001	(b) (4)

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
000103	<i>Noun:</i> Funding Info Only <i>ACRN:</i> AC <i>PR/MIPR:</i> F4FBRD3240B001	(b) (4)	(b) (4)
000104	<i>Noun:</i> Funding Info Only <i>ACRN:</i> AD <i>PR/MIPR:</i> F4FBRD3226B001	(b) (4)	(b) (4)
0002	<i>Noun:</i> HARDWARE <i>ACRN:</i> U <i>NSN:</i> N - Not Applicable <i>Contract type:</i> U - COST PLUS FIXED FEE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> Deliver Hardware in accordance with Section C, Description/Specifications, Statement of Work entitled, " Human Effectiveness Analysis and Integration ", dated 12 APR 13, at Attachment 1, Section J hereto. UID IAW Clause 252.211-7003, "Item Identification Valuation" does not apply to this effort.	1 Lot	NSP NSP
0003	<i>Noun:</i> SOFTWARE <i>ACRN:</i> U <i>NSN:</i> N - Not Applicable <i>DD1423 is Exhibit:</i> A <i>Contract type:</i> U - COST PLUS FIXED FEE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> Deliver Software in accordance with Section C, Description/Specifications, Statement of Work entitled, " Human Effectiveness Analysis and Integration ", dated 12 APR 13, at Attachment 1, Section J hereto.	1 Lot	NSP NSP

The following clauses are incorporated in accordance with the Basic IDIQ contract.

3. SECTION C - DESCRIPTION/SPECS/WORK STATEMENT:

C003 INCORPORATED DOCUMENTS/REQUIREMENTS (AUG 2006) (TAILORED)

- (a) The following documents are a part of this task order:

Any Attachments and or Exhibits at Section J herein.

4. SECTION D - PACKAGING AND MARKING

-- D002 Packaging and Marking (AUG 2005)

5. SECTION E - INSPECTION AND ACCEPTANCE

-- E006, "Receiving Report Mailing Address"

The Project Engineer for this Task Order is identified at clause F007 herein.

-- E007 - "Inspection and Acceptance Authority (APR 1998) (TAILORED)" is amended to read as set forth below:

The Project Engineer for this Task Order is identified at clause F007 herein.

Inspection and acceptance for all Contract and Exhibit Lines or Subline Items shall be accomplished by the **Program Manager/Project Engineer, Air Force Research Laboratory, found in Clause F007 herein.**

6. SECTION F - DELIVERIES OR PERFORMANCE:

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0001		1	F4FBRD			15 Dec 2015

Noun: RESEARCH AND DATA

ACRN: 9

Descriptive Data:

The technical effort must be completed no later than 15 Sept 15. Draft final report due 30 days after end of technical effort. The scheduled delivery date for the approved final technical report is **15 Dec 15**. All data shall be in accordance with Exhibit A, Contract Data Requirements List, DD Form 1423-1 dated 26 NOV 12, attached to the basic contract. See DD Form 1423-1 and Clause F007 for mailing addresses.

0002		1	F4FBRD	F4FBRD		15 Dec 2015
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Noun: HARDWARE

ACRN: U

Descriptive Data:

The scheduled delivery date for the hardware is as reflected herein. See Clause F007 for mailing address(es).

Delivery address for Hardware is:

711 HPW/RHDR

4141 Petroleum Rd, Bldg 3260

JBSA Ft Sam Houston, TX 78234

MARK FOR: PROGRAM MGR/CONTRACT NO.

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0003		1	F4FBRD	F4FBRD		15 Dec 2015

Noun: SOFTWARE

ACRN: U

Descriptive Data:

The scheduled delivery date for the Software is as reflected hererin. See Clause F007 for mailing addresses.

Delivery address for Software is:

711 HPW/RHDR

4141 Petroleum Rd, Bldg 3260

JBSA Ft Sam Houston, TX 78234

MARK FOR: PROGRAM MGR/CONTRACT NO.

7. The following clause is incorporated in accordance with the Basic IDIQ contract.

F007 SHIPMENT ADDRESS (SEP 1997)

F007 INFO FOR TASK ORDERS

PROGRAM ENGINEER:

HPW/RHDR

Attn: (b) (6)

4141 Petroleum Drive

Ft. Sam Houston, TX 78234

(b) (6)@us.af.mil

STINFO:

711 HPW/OMCA

2947 Fifth St, Bldg 840, Suite 302

Wright-Patterson AFB, OH 45433

711hpwstinfo@mailbox@us.af.mil

FINANCE:

711 HPW/RHC

Attn: (b) (6)

2255 H Street

Wright-Patterson AFB OH 45433-7022

(b) (6)@us.af.mil

711 HPW/FM

2610 7th Street

Wright-Patterson AFB OH 45433-7901

(b) (6)@us.af.mil

DCMA/ACO:

See Task Order cover page - Block 7 for address DCMA (ACO) address

CONTRACTS POC

See Task Order cover page- Block 6 for Contracts POC info.

WIDE AREA WORK FLOW (WAWF) ACCEPTOR:

Wide Area Work Flow (WAWF) Acceptor
711 HPW/OMP
2510 Fifth Street
WPAFB, OH 45433-7913
711hpw.rh.wawf@wpafb.af.mil <mailto:711hpw.rh.wawf@wpafb.af.mil>

8. SECTION G - CONTRACT ADMINISTRATION DATA AND CLAUSES APPLY IN ACCORDANCE WITH THE BASIC IDIQ CONTRACT AS FOLLOWS:

--G005 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS (MAR 2001)

Payment for all effort under this contract should be made in the order and amounts shown in the informational subline item(s) in Section B, CLIN 0001 of the contract and recapped below. Exhaust the funds in each ACRN before using funds from the next listed ACRN.

ACRN	SUBCLIN NO.	TOTAL OBLIGATED
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SEE SECTION G FOR THIS INFORMATION: ACRN, SUBCLIN NO., TOTAL OBLIGATED AMOUNT

a. This contract will be funded by multiple accounting classification citations. Payment shall be made from ACRNs in alphabetical order (AA,AB,etc). DO NOT USE A PRORATED METHOD to pay, disburse and liquidate funds. Do not liquidate any funds from an ACRN unless the preceding ACRNs have been fully liquidated, or if revised payment instructions are provided per paragraph b. below.

b. Additional ACRNs will be assigned when new accounting classifications are available. When adding new ACRNs or changing existing ACRNs, the above payment instructions shall apply, unless specific revised payments instructions are provided as part of a contract modification.

--Section G DFARS clause applies: **DFARS 252.204-0007, Contract-Wide: Sequential ACRN Order**

--See Section G clause of the Basic IDIQ contract, clause **252.232-7006, WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (JUN 2012), for payment instructions that are incorporated by reference from the basic IDIQ contract. See Clause F007 herein for Program Mgr/Project Engr address information.**

ACRN	Appropriation/Lmt Subhead/Supplemental Accounting Data	Obligation Amount
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AA (b) (4)

57 33600 293 47DN 613003 6TRHDZ 82100 61102F 503000 F03000 J3D075

Funding breakdown: On CLIN 000101: (b) (4)

PR/MIPR: F4FBRD3200B001 (b) (4)

JON: 2313HD92

Descriptive data:

FSR: 030288

PSR: 195988

DSR: 238515

PR is complete

AB (b) (4)

17 31319 M4MX 255 67854 067443 2D C23190 3MPR3BD22936

Funding breakdown: On CLIN 000102: (b) (4)

PR/MIPR: F4FBRD3232B001 (b) (4)

Descriptive data:

MIPR: M9545013MPR3BD2

ACTTG STA DODAAD: 067443

PR is complete

AC (b) (4)

17 31319 M4MX 255 67854 067443 2D C23190 3MPR3DD12936

Funding breakdown: On CLIN 000103: (b) (4)

PR/MIPR: F4FBRD3240B001 (b) (4)

Descriptive data:

MIPR# M9545013MPR3DD1

Acctg STA DODAAD: 067443

PR is complete

AD (b) (4)

17 31319 M7KE 251 67854 067443 2D C19010 3MPR3DY81343

Funding breakdown: On CLIN 000104: (b) (4)

PR/MIPR: F4FBRD3226B001 (b) (4)

Descriptive data:

MIPR # M9545013MPR3DY8

ACCT STA DODAAC: 067443

PR is complete

SECTION G CONTINUED:

List of CLINS for FA8650-13-D-6368 0004

CLIN NO	TOT AMT NET CHG	NOUN	ACRN	OBL NET CHANGE
(b) (4)				
	\$1,969,042.00			(b) (4)

-- Clause G002 is incorporated as set forth:

G002 PROGRAM MANAGER FOR THIS EFFORT IS:

HPW/RHDR

(b) (6)
4141 Petroleum Drive

Ft. Sam Houston, TX 78234

(b) (6)@us.af.mil

See Section F for DoDAAC Code; F4F_____

9. SECTION H - SPECIAL CONTRACT REQUIREMENTS APPLY IN ACCORDANCE WITH THE CLAUSES/PROVISIONS IN THE BASIC IDIQ CONTRACT. SECTION H APPLIES SPECIFICALLY TO THIS TASK ORDER AS SET FORTH BELOW:

- H063 CONTRACTOR IDENTIFICATION (FEB 2003)
- H098 BASE SUPPORT (SEP 2011)
- H099 EXPORT CONTROLLED DATA RESTRICTIONS (APR 2012)
- H101 INCORPORATION OF SUBCONTRACTING PLAN (APR 2012)

10. SECTION I - BASIC IDIQ CONTRACT CLAUSES APPLY AS FOLLOWS IN ACCORDANCE WITH THE CLAUSES/PROVISIONS IN THE BASIC IDIQ CONTRACT. SECTION I APPLIES SPECIFICALLY TO THIS TASK ORDER AS SET FORTH BELOW:

- 52.223-03 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (JAN 1997)
- 52.251-01 GOVERNMENT SUPPLY SOURCES (APR 2012)
- 252.222-7006 RESTRICTIONS ON THE USE OF MANDATORY ARBITRATION AGREEMENTS (DEC 2010)
- 252.223-7001 HAZARD WARNING LABELS (DEC 1991)
- 252.223-7006 PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS (APR 2012) - ALTERNATE I, (NOV 1995)
- 252.225-7008 RESTRICTION ON ACQUISITION OF SPECIALTY METALS (MAR 2013)

--252.225-7009 RESTRICTION ON ACQUISITION OF CERTAIN ARTICLES CONTAINING SPECIALTY METALS (MAR 2013)

-- 252.225-7048 EXPORT-CONTROLLED ITEMS (JUN 2013)

-- 252.235-7002 ANIMAL WELFARE (DEC 2011)

-- 252.235-7004 PROTECTION OF HUMAN SUBJECTS (JUL 2009)

-- 5352.223-9001 HEALTH AND SAFETY ON GOVERNMENT INSTALLATIONS (NOV 2012)

-- 5352.242-9000 CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (NOV 2012)

-- 5352.242-9001 COMMON ACCESS CARDS (CAC) FOR CONTRACTOR PERSONNEL -AFRL (NOV 2012)

-- 252.251-7000 ORDERING FROM GOVERNMENT SUPPLY SOURCES (AUG 2012)

11. SECTION J - LIST OF ATTACHMENTS/EXHIBITS

-Statement of Work at Atch 1, Section J herein.

--Contract Holidays are in the Basic SOW and are incorporated herein by reference.

- DD Form 254 at, Atch 2, Section J herein.

-Exhibit A, Contract Data Items, of the Basic IDIQ apply to this order as follows:

CDRLS: A001, A002, A003, A004, A005, A006, A007, A008 & A009

LIST OF ATTACHMENTS

DOCUMENT	PGS	DATE	TITLE
ATTACHMENT 1	4	12 APR 2013	STATEMENT OF WORK ENTITLED: HUMAN EFFECTIVENESS ANALYSIS AND INTEGRATION
ATTACHMENT 2	14	15 AUG 2013	DD FORM 254, SECURITY REQUIREMENTS

STATEMENT OF WORK

Task Order 0004 SOW – Human Effectiveness Analysis and Integration

1.0 SCOPE. Support the Human Effects Center of Excellence by characterizing the risk and effectiveness associated with non-lethal weapon employment. This shall require a detailed knowledge of non-lethal human effects research, models and the acquisition program landscape allowing HECO to support acquisition IPT's and identify human effects throughout the acquisition process.

To develop an understanding of the bioeffects associated with exposing humans to counter-personnel, non-lethal weapons is essential for legal, treat, policy, and material development purposes. Without it, escalation of force options cannot be provided to war fighters. The objective of this effort shall be to provide Human Effects data and information that is necessary to characterize devices and technologies intended for this purpose. In order to accomplish these objectives it is essential to conduct laboratory and field experiments necessary to understand a variety of human effects responses across a wide taxonomy of technologies. These shall include directed energy, riot control agents, broadband light, acoustic sounds, and blunt impact materials. Another objective shall be to apply that scientific information by engineering optimal effects-based design parameters for non-lethal weapons. Additionally, this effort shall provide Integrated Product Teams with engineering data necessary to not only design devices, but to evaluate and test prototypes during material development phases of the DoD acquisition process.

2.0 APPLICABLE DOCUMENTS.

3.0 REQUIREMENTS/RESEARCH DESCRIPTIONS.

The contractor shall understand the bioeffects associated with exposing humans to counter-personnel, non-lethal weapons is essential for legal, treat, policy, and material development purposes. Without it, escalation of force options cannot be provided to warfighters. The objective of this task shall be to provide Human Effects data and information that is necessary to characterize devices and technologies intended for this purpose. In order to accomplish these objectives it is essential to conduct laboratory and field experiments necessary to understand a variety of human effects responses across a wide taxonomy of

technologies. These shall include directed energy, riot control agents, broadband light, impulse noise, and blunt impact materials. Another objective shall be to apply that scientific information by engineering optimal effects-based design parameters for non-lethal weapons. Additionally, this task shall provide Integrated Product Teams with engineering data necessary to not only design devices, but to evaluate and test prototypes during material development phases of the DoD acquisition process. The assigned contractors shall conduct research to determine appropriate technologies for non-lethal applications and shall conduct and document human effects analyses on candidate Non-Lethal Weapon (NLW) systems, shall conduct and document risk assessments on candidate non-lethal systems, shall develop and or modify models to characterize the physiological and psychological effects of NLW payloads, and support field test planning and data interpretation for NLW.

3.1. Toxicology including riot control agents (RCAs), industrial byproducts, combustible materials and their byproducts.

3.2. Blunt Trauma, including dermal penetration and perforation, and non-penetrating insult to soft tissues, organs and skeleton.

3.3. Acoustic/Auditory, Ocular/Visual, Dermal/Haptic, Olfactory including sensory degradation and physiological damage, effects on attention and intent and complete behavior such as decision making and communication.

3.4. Bioelectrics, including modeling current flow through the body, bioeffects on organs, central nervous system (CNS), vascular and neuromuscular and endocrine function.

3.5. Interaction between multiple human effects, including modeling physiological effects as a result of multiple application of same NLW, or application of multiple NLWs, modeling of motivational, emotional and cognitive processes as a function of above multiple applications of NLWs.

4.0 OTHER REQUIREMENTS.

4.1. Hazardous Waste. The contractor shall use hazardous materials in research studies under this effort. Contractors shall be required to complete Fort Sam Houston hazardous materials training. All hazardous waste shall be disposed of by the government.

4.2. Human Use. The contractor shall use human subjects in research studies under this effort. The final contract will include the clause entitled "Protection of Human Subjects." For the performance of the contract, the contractor shall comply with the provisions of the following directives/regulations:

4.2.1. Department of Defense, Title 32, Code of Federal Regulations, Part 219 (32 CFR 219),"Protection of Human Subjects" July 2006

4.2.2. DHHS Regulations, Title 45, Code of Federal Regulations, Part 46 (45 CFR 46) "Protection of Human Subjects," July 2009

4.2.3. DoD Instruction 3216.02, "Protection of Human Subjects and Adherence to Ethical Standards in DoD Supported Research," November 2011

4.2.4. Air Force Instruction 40-402, "Protection of Human Subjects in Biomedical and Behavioral Research, (May 2005);" and (v) AFRL Instruction 40-402, "Using Human Subjects in Research, Development, Test, and Evaluation" (October 2008)

4.2.5. Contractor personnel performing human use research shall be required to take government sponsored initial and annual refreshers "Basic Human Subjects - Biomedical & Social & Behavioral Focus." Human testing shall not commence until approval from the Air Force IRB has been obtained.

The contractor shall be required to establish a Federal Wide Assurance (FWA), for the Protection of Human Subjects.

4.3. Animal Use.

4.3.1. The contractor shall use animals in research studies under this effort. The contractor shall comply, as appropriate, with the provisions of the following directives/regulations: 1) Air Force Manual 40-401(I), "The Care and Use of Laboratory Animals in DoD Programs", July 2006; 2) "DoD Instruction 3216.01, "Use of Animals in DoD Programs," September 2010.

4.3.2. Moreover, the contractor shall maintain records associated with animal subjects research as required by the approved protocol.

4.3.3. Contractor personnel performing animal use research shall be required to take government sponsored initial and annual refreshers training as prescribed by the on-site Veterinarian

4.3.4. Contractor personnel working with animals shall be required to have an annual “negative” Tuberculosis (TB) test at the expense of the contractor. Animal testing shall not commence until approval from the Air Force Institutional Animal Care and Use Committee has been obtained.

4.3.5. Base Support/Network Access shall be provided at JBSA Ft Sam Houston TX for the performance of this effort.

5.0 DELIVERABLES.

5.1. Reports. Status, Technical, Financial, Presentation, and Final

5.1.1. CDRLS. A001, A002, A003, A004, A005, A006, A007, A008 & A009

5.2. Hardware. Lab prototype hardware (STE)

5.3. Software. Lab data collection and analysis software

