

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH ORDER/AGREEMENT NO. <b>FA8650-13-D-6368</b>	2. DELIVERY ORDER/ CALL NO. <b>0008</b>	3. DATE OF ORDER/CALL (YYYYMMDD) <b>08 JUL 2015</b>	4. REQUISITION/PURCH REQUEST NO. <b>SEE SCHEDULE</b>	5. PRIORITY <b>DO-C9</b>
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6. ISSUED BY AFRL/RQKHB USAF/AFMC <b>(b) (6)</b> <b>(b) (6)</b>	CODE <b>FA8650</b>	7. ADMINISTERED BY (If Other than 6) <b>DCMA MANASSAS</b> <b>(b) (6)</b> <b>SCD: C PAS: (NONE)</b>	CODE <b>S2404A</b>	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER <small>(See Schedule if other)</small>
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9. CONTRACTOR NAME AND ADDRESS <b>(b) (6)</b> <b>(b) (6)</b> <b>GENERAL DYNAMICS INFORMATION TECHNOLOGY, INC.</b>	CODE <b>07MU1</b>	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>	11. X IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED WOMEN-OWNED
			12. DISCOUNT ITEMS <b>N</b>	
			13. MAIL INVOICES TO ADDRESS IN BLOCK <b>SEE BLOCK 15 (PAYMENT OFFICE)</b>	

14. SHIP TO <b>SEE SCHEDULE</b>	CODE	15. PAYMENT WILL BE MADE BY <b>DFAS COLUMBUS CENTER</b> <b>(b) (6)</b> <b>EFT:T</b>	CODE <b>HQ0338</b>	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"/>	PURCHASE <input 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.		
			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>(b) (6)</b>	25. TOTAL <b>(b) (4)</b>  29. DIFFERENCES
		08 JUL 2015 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		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 **\$200,000**.

**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: (b) (4)

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
<b>0001</b>		1	(b) (4)
		Lot	(b) (4)
	<i>Noun:</i>	(b) (4)	
	<i>PSC:</i>	AD92	
	<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 the Statement of Work entitled, "Human Effectiveness and Analysis and Integration II", dated <b>23 Feb 2015</b> 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.		
<b>000101</b>			
	<i>Noun:</i>	Funding Info Only	
	<i>ACRN:</i>	AA (b) (4)	
	<i>PR/MIPR:</i>	F4FBRD5089B002	(b) (4)

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
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<b>0002</b>		1 Lot	(b) (6) (b) (6)
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*Noun:* (b) (6)  
*ACRN:* AA  
*PSC:* AD92  
*NSN:* N - Not Applicable  
*DD1423 is Exhibit:* A  
*Contract type:* U - COST PLUS FIXED FEE  
*Inspection:* DESTINATION  
*Acceptance:* DESTINATION  
*FOB:* DESTINATION  
*Descriptive Data:*  
 Deliver Hardware in accordance with Section C, Description/Specifications: Statement of Work entitled, "Human Effectiveness and Analysis and Integration II", dated **23 Feb 2015**, at attachment 1 to Section J.

**SECTION I CLAUSE, 252.211-7003 ITEM IDENTIFICATION AND VALUATION (JUN 2011), APPLIES TO THIS EFFORT AS FOLLOWS:**

The contractor shall deliver hardware as required by Statement of Work and in accordance with Clause 252.211-7003, "Item Identification Valuation", the contractor shall provide DoD unique item identification, or a DoD recognized unique identification equivalent for all delivered items for which the government's unit acquisition cost is \$5,000 or more.

<b>0003</b>		1 Lot	(b) (6) (b) (6)
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*Noun:* (b) (6)  
*ACRN:* AA  
*PSC:* AD92  
*NSN:* N - Not Applicable  
*DD1423 is Exhibit:* A  
*Contract type:* U - COST PLUS FIXED FEE  
*Inspection:* DESTINATION  
*Acceptance:* DESTINATION  
*FOB:* DESTINATION  
*Descriptive Data:*  
 Deliver Software in accordance with Section C, Description/Specifications: Statement of Work entitled, "Human Effectiveness and Analysis and Integration II", dated **23 Feb 2015**, at attachment 1 to Section J.

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, SECTION J:

- Attachment 1, Statement of Work, Human Effectiveness and Analysis and Integration II", dated 23 Feb 2015.
- Attachment 2, DD Form 254 Security Requirements.

**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			03 Mar 2020

*Noun:* (b) (6)  
*ACRN:* 9

*Descriptive Data:*  
 The technical effort must be completed no later than **3 Dec 2019**. Draft final report due 30 days after end of technical effort. The scheduled delivery date for the approved final technical report is **3 Mar 2020**. 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.

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0002		1	F4FBRD	F4FBRD		03 Mar 2020

*Noun:* (b) (6)  
*ACRN:* AA

*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.**

0003		1	F4FBRD	F4FBRD		03 Mar 2020
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*Noun:* (b) (6)  
*ACRN:* AA

*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.**

Clause F007

PROGRAM ENGINEER:

HPW/RHDR

Attn: (b) (6)

(b) (6)

(b) (6)

(b) (6)

STINFO:

711 HPW/OMCA

(b) (6)

(b) (6)

(b) (6)

FINANCE:

711 HPW/FMT

Attn: (b) (6)

(b) (6)

(b) (6)

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

(b) (6)

(b) (6)

**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 is hereby incorporated: **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								
AA	17 51319 M4MX 255678540674432DC231905MPR5CJ52936 <i>Funding breakdown:</i> On CLIN 000101: (b) (4) <i>PR/MIPR:</i> F4FBRD5089B002 (b) (4) <i>Descriptive data:</i>  PR #F4FBRD5089B002 PR COMPLETE  CIN: F4FBRD5089B0020000AA  MIPR NUMBER: M954501MPR5CJ5  Fund Cite on MIPR appears as follows:  <table border="0"> <tr> <td><u>Appropriation</u></td> <td><u>Limit/Subhead</u></td> </tr> <tr> <td>1751319</td> <td>M4MX</td> </tr> </table> <table border="0"> <tr> <td><u>Supplemental Accounting Classification</u></td> <td><u>Accounting Station</u></td> </tr> <tr> <td>255678540674432DC231905MPR5CJ52936</td> <td>067443</td> </tr> </table>	<u>Appropriation</u>	<u>Limit/Subhead</u>	1751319	M4MX	<u>Supplemental Accounting Classification</u>	<u>Accounting Station</u>	255678540674432DC231905MPR5CJ52936	067443	(b) (4)
<u>Appropriation</u>	<u>Limit/Subhead</u>									
1751319	M4MX									
<u>Supplemental Accounting Classification</u>	<u>Accounting Station</u>									
255678540674432DC231905MPR5CJ52936	067443									

**SECTION G CONTINUED:**

Recap of funding from Reports is inserted herein

**List of CLINS for FA8650-13-D-6368 0008**

CLIN NO	TOT AMT	NET CHG	NOUN	ACRN	OBL NET CHANGE
0001	(b) (4)		(b) (4)	9	(b) (4)
000101		(b) (4)	(b) (4)	AA	(b) (4)
0002		(b) (4)	(b) (4)	AA	(b) (4)
0003		(b) (4)	(b) (4)	AA	(b) (4)
	(b) (4)				(b) (4)

-- Clause G002 is incorporated as set forth:

G002 PROGRAM MANAGER FOR THIS EFFORT IS:  
HPW/RHDR

(b) (6)  
 [Redacted]  
 [Redacted]  
 [Redacted]

See Section F for DoDAAC Code; F4FBRD

**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) is incorporated by reference.

-- H098 BASE SUPPORT (SEP 2011) is incorporated by reference.

-- H099 EXPORT CONTROLLED DATA RESTRICTIONS (APR 2012) is incorporated by reference.

-- H101 INCORPORATION OF SUBCONTRACTING PLAN (APR 2012) is incorporated by reference.

**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:**

-- FAR Clause 52.223-03 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (JAN 1997) is incorporated by reference.

-- FAR Clause 52.251-01 GOVERNMENT SUPPLY SOURCES (APR 2012) is incorporated by reference.

-- DFARS Clause 252.222-7006 RESTRICTIONS ON THE USE OF MANDATORY ARBITRATION AGREEMENTS (DEC 2010) is incorporated by reference.

-- DFARS Clause 252.223-7001 HAZARD WARNING LABELS (DEC 1991) is incorporated by reference.

-- DFARS Clause 252.223-7006 PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS (APR 2012) - ALTERNATE I, (NOV 1995) is incorporated by reference.

--DFARS Clause 252.225-7008 RESTRICTION ON ACQUISITION OF SPECIALTY METALS (MAR 2013) is incorporated by reference.

--DFARS Clause 252.225-7009 RESTRICTION ON ACQUISITION OF CERTAIN ARTICLES CONTAINING SPECIALTY METALS (MAR 2013) is incorporated by reference.

-- DFARS Clause 252.225-7048 EXPORT-CONTROLLED ITEMS (JUN 2013) is incorporated by reference.

-- DFARS Clause 252.235-7002 ANIMAL WELFARE (DEC 2011) is incorporated by reference.

-- DFARS Clause 252.235-7004 PROTECTION OF HUMAN SUBJECTS (JUL 2009) is incorporated by reference.

-- AFFARS Clause 5352.223-9001 HEALTH AND SAFETY ON GOVERNMENT INSTALLATIONS (NOV 2012) is incorporated by reference.

-- AFFARS Clause 5352.242-9000 CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (NOV 2012) is incorporated by reference.

-- AFFARS Clause 5352.242-9001 COMMON ACCESS CARDS (CAC) FOR CONTRACTOR PERSONNEL -AFRL (NOV 2012) is incorporated by reference.

-- DFARS Clause 252.251-7000 ORDERING FROM GOVERNMENT SUPPLY SOURCES (AUG 2012) is incorporated by reference.

**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 Attachment 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	23 FEB 2015	STATEMENT OF WORK "HUMAN EFFECTIVENESS ANALYSIS AND INTEGRATION II"
ATTACHMENT 2	2	01 DEC 2014	CONTRACT SECURITY CLASSIFICATION SPECIFICATION, DD FORM 254

# **STATEMENT OF WORK**

## **Human Effectiveness Analysis and Integration II**

**Task Order 0008**

**23 February 2015**

**Statement of Work (Task Order 0008):**

**TITLE: Human Effectiveness Analysis and Integration II**

**1. GOAL:**

The primary goal is to innovatively develop, assess, enhance and apply the tools and methods necessary to characterize human effects of non-lethal technologies as outlined in DoDI 3200.19 by performing human effects characterizations, human effects research, modeling and simulation analyses and sensitivity studies, for JNLWD and the Services.

**2. SCOPE:**

Human Effects (HE) analysis related to the characterization of 1) effectiveness and 2) risk of employing non-lethal weapons and related technologies. These characterizations are required by DoDI 3200.19 and are performed by the 711 Human Performance Wing, Bioeffects Division, Human Effects Center of Excellence (711 HPW/RHD HECO). The HECO produces the HE data that are required to complete these characterizations. To accomplish this mission, the HECO must conduct laboratory and field experiments that are necessary to understand the variety of human responses resulting from exposure to a wide range of stimuli.

**3. OBJECTIVES:**

The contractor shall conduct numerous, rapid studies, evaluations and analyses necessary to characterize the human effects of novel Non-Lethal Weapon (NLW) munitions or devices. Using the results of these studies, they shall develop algorithms that predict the biological effects of exposure to various directed energy, kinetic, conducted energy, and riot control agent stimuli. The contractor shall create software, finite element models, and enhance COT programs to implement algorithms thereby producing HE computational models. The contractor shall use these products to provide design guidance to material development programs, including Milestone decisions, and multiple tests and evaluations during developmental and operational testing. The objectives and requirements should be considered an iterative process to produce the R&D information for Program Managers and Milestone Decision Authorities that drive future phasing of their projects. Without this information, these Programs of Record (PORs) cannot proceed.

The contractor shall conduct and document risk assessments on candidate non-lethal systems, develop new or modify existing computational models to characterize the physiological and psychological effects of NLW payloads, and support field testing and data interpretation for these NLWs.

The contractor shall also assess interaction between multiple human effects, including modeling physiological effects as a result of a single or multiple application of a NLW system, modeling of motivational, emotional and cognitive processes as a function of above applications of NLWs.

The contractor shall provide HE subject matter experts (SME) to evaluate and make recommendations regarding the directions of future research and development of NLW Programs of Record.

The contractor shall provide direct HE analysis for system functional reviews, system readiness reviews, and design reviews during material develop PORs.

The contractor shall conduct HE characterizations and assessments of kinetic and Electro Muscular Interruption (EMI) effects of various NLWs.

The contractor shall perform HE assessments on various blunt trauma munitions of different caliber, ex., 12ga. 50 cal.,40mm, etc. and other novel devices.

The contractor shall use the computational models included in the Human Effects Modeling and Analysis Program (HEMAP) to determine flash, blast and noise risks of injury and effectiveness associated with flash/bang devices.

In addition to assessing effects of stimuli, the contractor shall apply scientific information to engineer optimal effects-based design parameters for non-lethal weapons. The contractor may be required to participate as members of Integrated Product Teams to provide with engineering data necessary to design non-lethal devices and evaluate and test prototypes during material development phases of the DoD acquisition process.

Contractors involved at any level in the Human Effectiveness Analysis and Integration effort shall be expected to prepare abstracts, posters, platform talks for and present at scientific conferences.

#### **4. Other Information.**

##### **a. Hazardous Waste.**

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

##### **b. Human Use.**

The contractor shall use human subjects in research studies under this effort. The final contract shall include the clause entitled "Protection of Human

Subjects.” For the performance of the contract, the contractor shall be complying with the provisions of the following directives/regulations:

- i. Department of Defense, Title 32, Code of Federal Regulations, Part 219 (32 CFR 219),”Protection of Human Subjects” July 2006;
- ii. DHHS Regulations, Title 45, Code of Federal Regulations, Part 46 (45 CFR 46) “Protection of Human Subjects,” July 2009;
- iii. DoD Instruction 3216.02, “Protection of Human Subjects and Adherence to Ethical Standards in DoD Supported Research,” November 2011;
- iv. 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).
- v. Contractor personnel performing human use research will 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.**

**c. Animal Use:**

- i. 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.
- ii. Moreover, the contractor shall maintain records associated with animal subjects research as required by the approved protocol.
- iii. 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

- iv. Contractor personnel working with animals are 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.**

**d. Operations Security (OPSEC):**

The contractor shall provide OPSEC protection for all sensitive/critical information as defined by AFI 10-701 (Operations Security), the 711 HPW OPSEC Plan, and critical information list. The contractor shall participate in the 711 HPW sustained OPSEC awareness training or include OPSEC training as part of their on-going security program. The 711 HPW OPSEC coordinator will evaluate the OPSEC posture of AF contract activities and operations.

**5. Deliverables**

**List of all Deliverables:**

- Reports: Status, Technical, Financial, Presentation, and Final
- Hardware: Lab prototype hardware (STE)
- Software: Lab data collection and analysis software

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

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>				1. CLEARANCE AND SAFEGUARDING	
				a. FACILITY CLEARANCE REQUIRED <b>(b) (3) (B)</b>	
				b. LEVEL OF SAFEGUARDING REQUIRED	
2. THIS SPECIFICATION IS FOR: <i>(X and complete as applicable)</i>			3. THIS SPECIFICATION IS: <i>(X and complete as applicable)</i>		
<input checked="" type="checkbox"/>	a. PRIME CONTRACT NUMBER FA8650-13-D-6368 TO-0008		<input checked="" type="checkbox"/>	a. ORIGINAL <i>(Complete date in all cases)</i>	DATE (YYYYMMDD) 20141201
	b. SUBCONTRACT NUMBER			b. REVISED <i>(Supersedes all previous specs)</i>	REVISION NO. DATE (YYYYMMDD)
	c. SOLICITATION OR OTHER NUMBER	DUE DATE (YYYYMMDD)		c. FINAL <i>(Completes item 5 in all cases)</i>	DATE (YYYYMMDD)
4. IS THIS A FOLLOW-ON CONTRACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: Classified material received or generated under _____ (Preceding Contract Number) is transferred to this follow-on contract.					
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: In response to the contractor's request dated _____, retention of the classified material is authorized for the period of _____					
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i>					
a. NAME, ADDRESS, AND ZIP CODE General Dynamics Information Technology Inc <b>(b) (6)</b>		b. CAGE CODE 0GR87	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i> Defense Security Service (IOFND) <b>(b) (6)</b>		
7. SUBCONTRACTOR					
a. NAME, ADDRESS, AND ZIP CODE N/A		b. CAGE CODE N/A	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i> N/A		
8. ACTUAL PERFORMANCE					
a. LOCATION Sec Blk 13		b. CAGE CODE N/A	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i> N/A		
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT Human Effectiveness Analysis and Integration: To support the Human Effects Center of Excellence by performing human effects characterizations, human effects research, modeling and simulation analyses and sensitivity studies, IPT support, consultative support to JNLWD and the Services and aid in strategic planning and construction of human effects research roadmaps.					
10. CONTRACTOR WILL REQUIRE ACCESS TO:		YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION			<input checked="" type="checkbox"/>	a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	<input checked="" type="checkbox"/>
b. RESTRICTED DATA			<input checked="" type="checkbox"/>	b. RECEIVE CLASSIFIED DOCUMENTS ONLY	<input checked="" type="checkbox"/>
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION			<input checked="" type="checkbox"/>	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	<input checked="" type="checkbox"/>
d. FORMERLY RESTRICTED DATA			<input checked="" type="checkbox"/>	d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	<input checked="" type="checkbox"/>
e. INTELLIGENCE INFORMATION			<input checked="" type="checkbox"/>	e. PERFORM SERVICES ONLY	<input checked="" type="checkbox"/>
(1) Sensitive Compartmented Information (SCI)			<input checked="" type="checkbox"/>	f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES	<input checked="" type="checkbox"/>
(2) Non-SCI	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	<input checked="" type="checkbox"/>
f. SPECIAL ACCESS INFORMATION			<input checked="" type="checkbox"/>	h. REQUIRE A COMSEC ACCOUNT	<input checked="" type="checkbox"/>
g. NATO INFORMATION			<input checked="" type="checkbox"/>	i. HAVE TEMPEST REQUIREMENTS	<input checked="" type="checkbox"/>
h. FOREIGN GOVERNMENT INFORMATION			<input checked="" type="checkbox"/>	j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS	<input checked="" type="checkbox"/>
i. LIMITED DISSEMINATION INFORMATION			<input checked="" type="checkbox"/>	k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE	<input checked="" type="checkbox"/>
j. FOR OFFICIAL USE ONLY INFORMATION			<input checked="" type="checkbox"/>	l. OTHER <i>(Specify)</i>	<input checked="" type="checkbox"/>
k. OTHER <i>(Specify)</i>			<input checked="" type="checkbox"/>	AFFARS 5352.204-9000 applies. See Blk 13.	

12. **PUBLIC RELEASE.** Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release  Direct  Through (Specify)

Joint Base San Antonio (JBSA) Public Affairs

Public release of sensitive compartmented information is not authorized.

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs) for review.  
\*In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. **SECURITY GUIDANCE.** The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)

Program Manager: (b) (6)

Chief of Security: (b) (6)

The DoD security classification guide entitled "Joint Non-Lethal Weapons Program," dated October 1999, the HQ USAF SCG for Directed Energy (DE) Weapon and Counter High Power Microwave (CHPM) Weapon Technology SCG dated 21 June 1999 shall be used when determining the classification of most data under this contract.

Item 8a. Work performed under this contract will be at 711 HPW/RHD (b) (6) & elsewhere as directed by the program manager including military installations & approved contractor operated secure facilities.

Ref Blk 10e(2): Contractor will require access to intelligence information and must comply with AFI 14-303/AFMC Supplement 1.

The Program Manager has determined that disclosure does not create an unfair competitive advantage for the contractor or a conflict of interest with the contractor's obligation to protect the information and will submit the AFMC Form 210 to AFRL/RYOY for approval prior to granting access.

Ref Blk 10e(2): Access to SIPRNET is required.

Ref Blk 10g: NATO briefing required prior to granting access. See NISPOM Chapter 10 for details.

(b) (6)

14. **ADDITIONAL SECURITY REQUIREMENTS.** Requirements, in addition to ISM requirements, are established for this contract.  Yes  No  
(If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

Ref Blk 11j: OPSEC requirements apply. See Statement of Objectives (SOO) for requirements.

Ref Blk 11j: OPSEC requirements may apply in future delivery orders. Each delivery order will provide specific guidance.

15. **INSPECTIONS.** Elements of this contract are outside the inspection responsibility of the cognizant security office.  Yes  No  
(If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

Ref Blk 11i: Contractor performance will occur at JBSA Ft Sam Houston, TX. DSS is relieved of all inspection responsibilities for contractor performance on the installation. 88 ABW/IPD will maintain security oversight.

16. **CERTIFICATION AND SIGNATURE.** Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

b. TYPED NAME OF CERTIFYING OFFICIAL (b) (6)	c. TITLE CONTRACTING OFFICER	c. TELEPHONE (Include Area Code) (b) (6)
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d. ADDRESS (Include Zip Code)

AFRL/RQKHA

(b) (6)

(b) (6)

17. **REQUIRED DISTRIBUTION**

- |                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | a. CONTRACTOR   |
| <input type="checkbox"/>            | b. SUBCONTRACTOR  |
| <input checked="" type="checkbox"/> | c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR          |
| <input type="checkbox"/>            | d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION |
| <input checked="" type="checkbox"/> | e. ADMINISTRATIVE CONTRACTING OFFICER                             |
| <input checked="" type="checkbox"/> | f. OTHERS AS NECESSARY  |