

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH ORDER/AGREEMENT NO. FA8650-13-D-6368	2. DELIVERY ORDER/ CALL NO. 0007	3. DATE OF ORDER/CALL (YYYYMMDD) 24 NOV 2014	4. REQUISITION/PURCH REQUEST NO. SEE SCHEDULE	5. PRIORITY DO-C9
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6. ISSUED BY AFRL/RQKHB USAF/AFMC AFRL WRIGHT RESEARCH SITE 2130 EIGHTH STREET, BUILDING 45 WRIGHT-PATTERSON AFB OH 45433-7541 (b) (6) 937-713-9859 (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 NAME AND ADDRESS 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 182317 COLUMBUS OH 43218-2317 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: **1**

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 \$10,881,035.00	29. DIFFERENCES
	24 NOV 2014 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.

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 (b) (4). It is estimated that this amount is sufficient to cover task order performance through **30 January 2015**. (*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: \$10,881,035

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0001		1	\$10,881,035.00
		Lot	\$10,881,035.00
	<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 the Statement of Work entitled, "Directed Energy Systems Effects Optimization", dated 05 SEPT 2014 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>	F4FBRD4253B001-001	(b) (4)

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0002		1 Lot	NSP NSP
	<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, "Directed Energy Systems Effects Optimization", dated 05 SEP 2014 , 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.

0003		1 Lot	NSP NSP
	<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, "Directed Energy Systems Effects Optimization", dated 05 SEPT 2014 , 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, "Directed Energy Systems Effects Optimization", dated 05 Sept 2014.
- Exhibit A, 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			17 Feb 2020
	<i>Noun:</i>		RESEARCH AND DATA			
	<i>ACRN:</i>		9			
	<i>Descriptive Data:</i>		The technical effort must be completed no later than 17 Nov 2019 . Draft final report due 30 days after end of technical effort. The scheduled delivery date for the approved final technical report is 17 Feb 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.			

0002		1	F4FBRD	F4FBRD		17 Feb 2020
	<i>Noun:</i>		HARDWARE			
	<i>ACRN:</i>		U			
	<i>Descriptive Data:</i>		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		17 Feb 2020

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.

Clause F007

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/RHD

Attn: (b) (6)

2610 7th Street, B441

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

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 (b) (4)
 57 43600 294 47A8 627757 6TRHDR 82100 62202F 503000 F03000 J4D344
Funding breakdown: On CLIN 000101: (b) (4)
PR/MIPR: F4FBRD4253B001-001 (b) (4)
JON: 7757B359
Descriptive data:
 PR Info:

 PR #: F4FBRD4253B001
 Basic, dated 10 SEP 2014

 FSR: 014590
 PSR: 506956
 DSR: 160646

 PR #: F4FBRD4253B001
 Amend 001, dated 29 SEP 2014

 FSR: 014590
 PSR: 506956
 DSR: 160646

 PR is Complete.

SECTION G CONTINUED:

Recap of funding from Reports is inserted herein

List of CLINS for FA8650-13-D-6368 0007

CLIN NO	TOT AMT NET CHG	NOUN	ACRN	OBL NET CHANGE
(b) (4)			1	
	\$10,881,035.00			(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; 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)
- 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 of the Basic IDIQ apply to this order.

-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
EXHIBIT A	25	12 NOV 2014	DD254 DOD CONTRACT SECURITY CLASSIFICATION SPECIFICATION
ATTACHMENT 1	5	05 SEP 2014	STATEMENT OF WORK ENTITLED: DIRECTED ENERGY SYSTEMS EFFECTS OPTIMIZATION

STATEMENT OF WORK

Directed Energy Systems Effects Optimization

Task Order 0007

5 September 2014

FA8650-13-D-6368

Task Order 0007 Directed Energy Systems Effects Optimization

STATEMENT OF WORK

1. SCOPE:

The Air Force has an ongoing mission to provide research for the development and deployment of emerging directed energy (DE) systems. Additionally, there is a need to produce data that evaluates and supports DE system effectiveness, its policy acceptability, optimal use, to develop radio frequency decision support tools for the warfighter, and to counter the bioeffects produced by DE technologies.

Under this task order (TO), the contractor shall conduct research including experimental design execution, and data analysis of bioeffects resulting from RF energy and on direct-contact systems. They will participate in a technical interchange/information gathering capacity at standards development meetings. This task order effort encompasses the following specific objectives: 1) improve understanding of RF energy on biological systems; 2) use modeling and simulation methods to operationalize scientific knowledge; 3) analyze bioeffects of direct-contact systems; 4) participate in the dissemination of approved information regarding research objectives, progress and results; and 5) participate in technical interchange/information gathering meetings of RF exposure standards setting institutions.

2. OBJECTIVES:

Conduct biological effects research development, optimization and deployment of future DE weapons and other emerging technologies that could be beneficial to the Air Force and the war fighter. The research will lead to a better understanding of the bioeffects of DE weapons; as well as methods to counter the bioeffects produced by these technologies. This research is intended to characterize behavioral and physiological responses of individuals in response to high average power and high peak power directed energy systems.

a. Research Descriptions.

This task order will (a) accomplish various research studies, e.g., developing test plans and protocols, conducting tests, performing data collection and analysis, writing reports and research papers, developing integrated databases and developing models; (b) procure subjects to participate in human research studies; and (c) provide materials, equipment, and supplies to operate, modify, maintain, and develop specialized research capabilities for research under this task order. Tasks will include, but not be limited to the following:

i. GDIT shall (b) (4) [REDACTED]

ii. GDIT shall (b) (4) [REDACTED]

iii. GDIT shall (b) (4) [REDACTED]

iv. GDIT shall (b) (4) [REDACTED]

v. GDIT shall (b) (4) [REDACTED]

vi. GDIT shall (b) (4) [REDACTED]

vii. GDIT shall (b) (4) [REDACTED]

viii. GDIT shall (b) (4) [REDACTED]

ix. GDIT shall (b) (4) [REDACTED]

x. Contractors involved at any level in the Directed Energy Systems Effects Optimization

effort shall be expected to prepare abstracts, posters, platform talks for and present at scientific conferences.

3. Other Information.

a. Hazardous Waste.

GDIT shall (b) (4) Contractors shall be required to complete Ft. Sam Houston hazardous materials training. All hazardous waste shall be disposed of by the government.

b. Human Use.

GDIT shall (b) (4) The final contract shall include the clause entitled "Protection of Human Subjects." For the performance of the contract, GDIT 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 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.

c. Animal Use:

- i. GDIT shall (b) (4) GDIT 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, GDIT shall (b) (4)

(b) (4)

- 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 Contractor personnel working with animals shall be required to have an annual "negative" Tuberculosis (TB) test (b) (4)

Animal testing shall not commence until approval from the Air Force Institutional Animal Care and Use Committee has been obtained.

- d. **Base Support/Network Access** shall be provided at JBSA-FT Sam Houston TX for the performance of this task order.

4. Deliverables

List of all Deliverables:

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

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