

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE U		PAGE OF PAGES 1 2		
2. AMENDMENT/MODIFICATION NO. 33		3. EFFECTIVE DATE 12-Dec-2013		4. REQUISITION/PURCHASE REQ. NO. See Section G		5. PROJECT NO. (If applicable) N/A	
6. ISSUED BY NSWC, DAHLGREN DIVISION 17632 Dahlgren Road Suite 157 Dahlgren VA 22448-5110 felicidad.morgan1@navy.mil 540-653-9472		CODE N00178		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) BOOZ ALLEN HAMILTON INC 8283 Greensboro Drive McLean VA 22102			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4024-0040	
			10B. DATED (SEE ITEM 13) 28-Oct-2011	
CAGE CODE 17038		FACILITY CODE		[X]

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended. Offers 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 one (1) copy 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 ACKNOWLEDGEMENT 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 SECTION G

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 52.232-22

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)
SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Larry D Gillman, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <u>/s/Larry D Gillman</u> (Signature of Contracting Officer)	16C. DATE SIGNED 13-Dec-2013
(Signature of person authorized to sign)			

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

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

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GENERAL INFORMATION

The purpose of this modification is to:

- 1) Provide incremental funding.
- 2) Update charts only in Allotment of Funds and Funding Profile in Section H Special Contract Requirements.
- 3) Change CLIN 4100 SLIN 16 Standard Document N0001412WX20935 ACRN from AB to AA under modification 16.

All other terms and conditions remain unchanged.

DISTRIBUTION:

AID #

A conformed copy of this Task Order is attached to this modification for informational purposes only.

The Line of Accounting information is hereby changed as follows:

The total amount of funds obligated to the task is hereby increased from \$14,875,392.41 by \$69,000.00 to \$14,944,392.41.

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
420045	RDT&E	0.00	30,000.00	30,000.00
420046	RDT&E	0.00	19,000.00	19,000.00
420047	RDT&E	0.00	18,000.00	18,000.00
620036	RDT&E	0.00	2,000.00	2,000.00

The total value of the order is hereby increased from \$17,882,580.00 by \$0.00 to \$17,882,580.00.

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SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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4000	AD94	Engineering and Technical Support Services for High Power Microwave (HPM) and other Directed Energy Systems IAW Section C, PWS. (Fund Type - TBD)		HR	\$	\$	\$5,636,760.00
400001	AD94	INCREMENTAL FUNDING TI#1 (RDT&E)					
400002	AD94	INCRREMENTAL FUNDING TI#2 (RDT&E)					
400003	AD94	INCREMENTAL FUNDING TI#3 (RDT&E)					
400004	AD94	INCREMENTAL FUNDING TI#4 (RDT&E)					
400005	AD94	INCREMENTAL FUNDING TI#5 (RDT&E)					
400006	AD94	INCREMENTAL FUNDING TI-04, Rev. 01 (RDT&E)					
400007	AD94	INCREMENTAL FUNDING TI-05, Rev. 01 (RDT&E)					
400008	AD94	INCREMENTAL FUNDING TI-06 (RDT&E)					
400009	AD94	INCREMENTAL FUNDING TI-07 (RDT&E)					

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400010 AD94 INCREMENTAL
FUNDING
TI-08 (RDT&E)

400011 AD94 INCREMENTAL
FUNDING
TI-08 (RDT&E)

400012 AD94 INCREMENTAL
FUNDING
TI-09 (RDT&E)

400013 AD94 INCREMENTAL
FUNDING; TI-10
(RDT&E)

400014 AD94 INCREMENTAL
FUNDING; TI-10
(RDT&E)

400015 AD94 INCREMENTAL
FUNDING;
TI-04,Rev. 02
(RDT&E)

400016 AD94 INCREMENTAL
FUNDING;
TI-02,Rev. 01
(RDT&E)

400017 AD94 INCREMENTAL
FUNDING;
TI-03,Rev. 02
(RDT&E)

400018 AD94 INCREMENTAL
FUNDING;
TI-02,Rev. 01
(RDT&E)

400019 AD94 INCREMENTAL
FUNDING;
TI-11 (MBIOT)
(RDT&E)

400020 AD94 INCREMENTAL
FUNDING;
TI-06,Rev. 01
(RAILGUN) (RDT&E)

400021 AD94 INCREMENTAL
FUNDING;
TI-04,Rev. 03
(RDT&E)

400022 AD94 INCREMENTAL
FUNDING;
TI-13 (SHORT

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PULSE) (RDT&E)

400023 AD94 INCREMENTAL
FUNDING;
TI-05, REV. 03
(RFVS) (RDT&E)

400024 AD94 INCREMENTAL
FUNDING;
TI-12 (DE)
(RDT&E)

400025 AD94 INCREMENTAL
FUNDING;
TI-15 (LG VESSEL)
(RDT&E)

400026 AD94 INCREMENTAL
FUNDING;
TI-14 (SM VESSEL)
(RDT&E)

400027 AD94 INCREMENTAL
FUNDING;
TI-7 (ORION)
(RDT&E)

400028 AD94 INCREMENTAL
FUNDING;
TI-16 (NKCE)
(RDT&E)

400029 AD94 INCREMENTAL
FUNDING;
TI-3 (DTRA)
(RDT&E)

400030 AD94 INCREMENTAL
FUNDING;
TI-17 (TARANTULA)
(RDT&E)

400031 AD94 INCREMENTAL
FUNDING;
TI-17 (TARANTULA)
(RDT&E)

400032 AD94 INCREMENTAL
FUNDING;
TI-2 (PEVS)
(RDT&E)

400033 AD94 INCREMENTAL
FUNDING;
TI-12 (DE)
(RDT&E)

400034 AD94 INCREMENTAL

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FUNDING;
TI-8 (DSL A)
(RDT&E)

400035 AD94 INCREMENTAL
FUNDING;
TI-12 (DE)
(RDT&E)

400036 AD94 INCREMENTAL
FUNDING;
TI-12 (DE)
(RDT&E)

400037 AD94 INCREMENTAL
FUNDING;
TI-2 (PEVS)
(RDT&E)

400038 AD94 INCREMENTAL
FUNDING; TI-13
(Short Pulse)
(RDT&E)

400039 AD94 INCREMENTAL
FUNDING;
TI-8 (DSL A)
(RDT&E)

400040 AD94 INCREMENTAL
FUNDING;
TI-2 (PEVS)
(RDT&E)

400041 AD94 INCREMENTAL
FUNDING;
TI-05, Rev. 04
(RFVS) (RDT&E)

400042 AD94 INCREMENTAL
FUNDING;
TI-06,Rev. 02
(Railgun) (RDT&E)

400043 AD94 INCREMENTAL
FUNDING;
TI-05,Rev. 04
(RFVS) (RDT&E)

400044 AD94 INCREMENTAL
FUNDING;
TI-09,Rev. 01
((RF Vessel
Stopper - RF
Attenuation
Study) (RDT&E)

400045 AD94 INCREMENTAL

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FUNDING;
TI-04, NL UAV
(RDT&E)

400046 AD94 INCREMENTAL
FUNDING;
TI-05, RFVS
(RDT&E)

400047 AD94 INCREMENTAL
FUNDING;
TI-05, RFVS
(RDT&E)

400048 AD94 INCREMENTAL
FUNDING;
TI-17, TARANTULA
(RDT&E)

400049 AD94 INCREMENTAL
FUNDING;
TI-17 (RDT&E)

400050 AD94 INCREMENTAL
FUNDING;
TI-08, DSLA
(RDT&E)

400051 AD94 INCREMENTAL
FUNDING;
TI-12, DIRECTED
ENERGY (RDT&E)

400052 AD94 INCREMENTAL
FUNDING;
TI-04, NL UAV
(RDT&E)

400053 AD94 INCREMENTAL
FUNDING;
TI-5 (RDT&E)

400054 AD94 INCREMENTAL
FUNDING;
TI-18 (RDT&E)

4010	AD94	Option Base Period Surge, Engineering and Technical Support Services for High Power Microwave (HPM) and other Directed Energy Systems IAW Section C, PWS. (Fund Type - TBD)	0.0	HR	\$0.00	\$0.00	\$0.00
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4100	AD94	Option Period 1, Engineering and Technical Support Services for High Power Microwave (HPM) and other Directed Energy Systems IAW Section C, PWS. (Fund Type - TBD)	HR	\$	\$	\$4,212,939.00
410001	AD94	TI-19 HPM ANALYSIS; Modification 30 deobligates \$58,100 (Fund Type - OTHER)				
410002	AD94	TI-20 RAILGUN (Fund Type - OTHER)				
410003	AD94	TI-21 RF VESSELL- Modification 27 deobligates \$6,800.39 (Fund Type - OTHER)				
410004	AD94	TI-23 DIRECTED ENERGY; (Fund Type - OTHER)				
410005	AD94	TI-24 PEVS (Fund Type - OTHER)				
410006	AD94	TI-25 LVED (RDT&E)				
410007	AD94	TI-26 SHORT PULSE (RDT&E)				
410008	AD94	TI-22 TARANTULA; Modification 30 deobligates \$4,000 (Fund Type - OTHER)				
410009	AD94	TI-72 NL UAV, Modification 30 deobligates \$2,000 (RDT&E)				
410010	AD94	TI-24 PEVS (RDT&E)				
410011	AD94	TI-25 LG VESSEL; Modification 30 deobligates				

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\$3,400 (RDT&E)

410012 AD94 TI-26 SHORT PULSE
(RDT&E)

410013 AD94 TI-28 SM VESSEL;
Modification 30
deobligates \$1,100
(RDT&E)

410014 AD94 TI-24 PEVS
(RDT&E)

410015 AD94 TI-26 SHORT PULSE
(RDT&E)

410016 AD94 TI-23 DE SUPPORT;
modification 30
deobligates
\$1,000 (RDT&E)

410017 AD94 TI-23 DE SUPPORT
modification 30
deobligates
\$1,600 (RDT&E)

410018 AD94 TI-20 RAILGUN
(RDT&E)

410019 AD94 TI-29 RF VEHICLE
STOPPER (RDT&E)

410020 AD94 TI-27 NL UAV;
Modification 30
deobligates \$7,000
(RDT&E)

410021 AD94 TI-23 DE
Analysis;
Modification 30
deobligates
\$5,000 (RDT&E)

410022 AD94 TI-30 SHORT PULSE
(RDT&E)

410023 AD94 TI-31 ORION;
Modification 30
deobligates \$4,400
(RDT&E)

410024 AD94 TI-20 RAILGUN;
Modification 30
deobligates
\$9,200 (RDT&E)

410025 AD94 TI-29 RFVS
(RDT&E)

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410026	AD94	TI-21 RF VESSELL- Modification 27 deobligates \$19,767.91 (RDT&E)				
410027	AD94	TI-33 RADES; Modification 30 deobligates \$6,500 (RDT&E)				
410028	AD94	TI-21 RF VESSELL- modification 27 deobligates \$49,649.43 (RDT&E)				
410029	AD94	TI-34 DSLA; Modification 30 deobligates \$3,000 (RDT&E)				
410030	AD94	TI-29 RF VEH STOPPER (SCN)				
410031	AD94	TI-29 RF VEH STOPPER- Modification 27 deobligates \$163,871 (RDT&E)				
4110	AD94	Option Period 1, Surge, Engineering and Technical Support Services for High Power Microwave (HPM) and other Directed Energy Systems IAW Section C, PWS. (Fund Type - TBD)	HR	\$	\$	\$913,240.00
411001	AD94	TI-32 DTRA; Modification 30 deobligates \$8,000 (RDT&E)				
411002	AD94	TI-27 NLUAV; Modification 30 deobligates \$6,000 (RDT&E)				
411003	AD94	TI-24 PEVS; Modification 30 deobligates \$1,700 (RDT&E)				

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411004	AD94	TI-24 PEVS; Modification 30 deobligates \$25,200 (RDT&E)				
411005	AD94	TI-24 PEVS (RDT&E)				
411006	AD94	TI-27 NLUAV; Modification 30 deobligates \$87,500 (RDT&E)				
411007	AD94	TI-30 SHORT PULSE (RDT&E)				
4200	AD94	Option Period 2, Engineering and Technical Support Services for High Power Microwave (HPM) and other Directed Energy Systems IAW Section C, PWS. (Fund Type - TBD)	HR	\$	\$	\$4,878,627.00
420001	AD94	TI-23 DE (RDT&E)				
420002	AD94	TI-19 BANE '2410(a) Authority is hereby invoked' (Fund Type - OTHER)				
420003	AD94	TI-34 DSLA (RDT&E)				
420004	AD94	TI-32 DTRA (RDT&E)				
420005	AD94	TI-24 PEVS (RDT&E)				
420006	AD94	TI-24 PEVS '2410(a) Authority is hereby invoked' (RDT&E)				
420007	AD94	TI-29 RFVS (RDT&E)				
420008	AD94	TI-29 RFVS '2410(a) Authority is				

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hereby invoked'
(Fund Type - TBD)

420009 AD94 TI-24 PEVS
2410(a) Authority
is hereby
invoked' (Fund
Type - TBD)

420010 AD94 TI-24 PEVS
(RDT&E)

420011 AD94 TI-34 DSLA
(RDT&E)

420012 AD94 TI-21 RF VES
(RDT&E)

420013 AD94 TI-20 RAILGUN
(RDT&E)

420014 AD94 TI-33 RADES
(RDT&E)

420015 AD94 TI-27 NL UAV
(RDT&E)

420016 AD94 TI-26 SH PULSE LD
(RDT&E)

420017 AD94 TI-29 RFVS
(RDT&E)

420018 AD94 TI-26 SH PULSE LD
(RDT&E)

420019 AD94 TI-26 SH PULSE
LD
(RDT&E)

420020 AD94 TI-30 SH PULSE
CE
(RDT&E)

420021 AD94 TI-35 ACE
(RDT&E)

420022 AD94 TI - 29 RFVS
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420023 AD94 TI-21 RFVES
(RDT&E)

420024 AD94 TI 35 ACE (RDT&E)

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420025 AD94 TI 32 DTRA
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420026 AD94 TI 36'2410(a)
Authority is
hereby invoked'
(RDT&E)

420027 AD94 TI 37'2410(a)
Authority is
hereby invoked'
(RDT&E)

420028 AD94 TI 33 RADES
(RDT&E)

420029 AD94 TI 26 SHORT
PULSE
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420030 AD94 TI 26 SHORT
PULSE
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420031 AD94 TI 25 LG VES
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420032 AD94 TI 19 BANE
'2410(a)
Authority is
hereby invoked'
(Fund Type -
OTHER)

420033 AD94 TI 22 TARANTULA
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420034 AD94 TI 25 LG VES
'2410(a)
Authority is
hereby invoked'
(RDT&E)

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420035 AD94 TI 23 SSL-TM
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420036 AD94 TI 27 NL UAV
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420037 AD94 TI 23 SSL
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420038 AD94 TI 31 ORION
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420039 AD94 TI 33 RADES
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420040 AD94 TI 34 DSLA
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420041 AD94 TI 32 DTRA
'2410(a)
Authority is
hereby invoked'
(WCF)

420042 AD94 TI 24 PEVS
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420043 AD94 TI 24 PEVS
'2410(a)
Authority is
hereby invoked'
(RDT&E)

420044 AD94 TI-20 RAILGUN
(RDT&E)

420045 AD94 TI-24 PEVS

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(RDT&E)

420046 AD94 TI-36 EW (RDT&E)

420047 AD94 TI-38 DARPA
(RDT&E)

4210	AD94	Option Period 2, Surge Engineering and Technical Support Services for High Power Microwave (HPM) and other Directed Energy Systems IAW Section C, PWS. (Fund Type - TBD) Option	HR	\$	\$	\$559,593.00
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For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
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6000	AD94	Base Period ODCs for CLIN 4000 (Fund Type - TBD)	1.0	LO	\$
600001	AD94	INCREMENTAL FUNDING TI#1 (RDT&E)			
600002	AD94	INCREMENTAL FUNDING TI#2 (RDT&E)			
600003	AD94	INCREMENTAL FUNDING TI#3 (RDDA)			
600004	AD94	INCREMENTAL FUNDING TI#4 (RDT&E)			
600005	AD94	INCREMENTAL FUNDING TI#5 (RDT&E)			
600006	AD94	INCREMENTAL FUNDING TI-04, Rev. 1 (RDT&E)			
600007	AD94	INCREMENTAL FUNDING TI-05, Rev. 1			

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(RDT&E)

600008 AD94 INCREMENTAL
FUNDING
TI-07 (RDT&E)

600009 AD94 INCREMENTAL
FUNDING
TI-08 (RDT&E)

600010 AD94 INCREMENTAL
FUNDING
TI-08 (RDT&E)

600011 AD94 INCREMENTAL
FUNDING
TI-09 (RDT&E)

600012 AD94 INCREMENTAL
FUNDING
TI-10 (RDT&E)

600013 AD94 INCREMENTAL
FUNDING
TI-02, Rev. 02
(RDT&E)

600014 AD94 INCREMENTAL
FUNDING
TI-04, Rev. 03
(NLUAV) (RDT&E)

600015 AD94 INCREMENTAL
FUNDING
TI-13 (SHORT
PULSE) (RDT&E)

600016 AD94 INCREMENTAL
FUNDING
TI-12 (DE)
(RDT&E)

600017 AD94 INCREMENTAL
FUNDING
TI-15 (LG VESSEL)
(RDT&E)

600018 AD94 INCREMENTAL
FUNDING
TI-14 (SM VESSEL)
(RDT&E)

600019 AD94 INCREMENTAL
FUNDING
TI-2 (PEVS)
(RDT&E)

600020 AD94 INCREMENTAL

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FUNDING
TI-16 (NKCE)
(RDT&E)

600021 AD94 INCREMENTAL
FUNDING
TI-4 (NL UAV)
(RDT&E)

600022 AD94 INCREMENTAL
FUNDING
TI-17 (TARANTULA)
(RDT&E)

600023 AD94 INCREMENTAL
FUNDING
TI-2 (PEVS)
(RDT&E)

600024 AD94 INCREMENTAL
FUNDING
TI-4 (NL UAV)
(RDT&E)

600025 AD94 INCREMENTAL
FUNDING
TI-13 (SHORT
PULSE) (RDT&E)

600026 AD94 INCREMENTAL
FUNDING; TI-8
(DSL A) (RDT&E)

600027 AD94 INCREMENTAL
FUNDING; TI-05,
Rev. 04 (RFVS)
(RDT&E)

600028 AD94 INCREMENTAL
FUNDING; TI-05,
Rev. 04 (RFVS)
(RDT&E)

600029 AD94 INCREMENTAL
FUNDING; TI-09,
Rev. 01 (RF
VESSEL) (RDT&E)

600030 AD94 INCREMENTAL
FUNDING; TI-04,
NL UAV (RDT&E)

600031 AD94 INCREMENTAL
FUNDING; TI-02,
PEVS (RDT&E)

600032 AD94 INCREMENTAL
FUNDING; TI-5

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(RDT&E)

600033 AD94 INCREMENTAL
FUNDING; TI-18
(RDT&E)

6010 AD94 Option Base 1.0 LO \$0.00
Period, Surge
ODCs for CLIN
4010 (Fund Type -
TBD)

6100 AD94 Option Period 1 1.0 LO \$
ODCs for CLIN
4100 (Fund Type -
TBD)

610001 AD94 TI-19 HPM
ANALYSIS;
Modification 30
deobligates \$1,200
(Fund Type -
OTHER)

610002 AD94 TI-20 RAILGUN;
Modification 30
deobligates \$3,800
(Fund Type -
OTHER)

610003 AD94 TI-21 RF VESSEL
(Fund Type -
OTHER)

610004 AD94 TI-23 DIRECTED
ENERGY;
Modification 30
deobligates
\$14,300 (Fund
Type - OTHER)

610005 AD94 TI-25 LVED
(RDT&E)

610006 AD94 TI-22 TARANTULA;
Modification 30
deobligates
\$15,000 (Fund
Type - OTHER)

610007 AD94 TI-27 NL UAV
(RDT&E)

610008 AD94 TI-24 PEVS (Fund
Type - OTHER)

610009 AD94 TI-25 LG VESSEL;
Modification 30

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deobligates
\$12,000 (RDT&E)

610010 AD94 TI-26 SHORT PULSE
(RDT&E)

610011 AD94 TI-28 SM VESSEL
(RDT&E)

610012 AD94 TI-24 PEVS
(RDT&E)

610013 AD94 TI-26 SHORT PULSE
(RDT&E)

610014 AD94 TI-29 RF VEHICLE
STOPPER-
Modification 27
deoblitaes \$2,000
(RDT&E)

610015 AD94 TI-27 NL UAV
(RDT&E)

610016 AD94 TI-30 SHORT PULSE
COUNTER
ELECTRONICS
INVESTIGATION;
Modification 30
deobligates \$1,600
(RDT&E)

610017 AD94 TI-31 ORION;
Modification 30
deobligates \$5,000
(RDT&E)

610018 AD94 TI-20 RAILGUN;
Modification 30
deobligates
\$10,000 (RDT&E)

610019 AD94 TI-29 RFVS
(RDT&E)

610020 AD94 TI-21 RF VESSELL-
Modification 27
deobligates
\$1,000 (RDT&E)

610021 AD94 TI-33 RADES
(RDT&E)

610022 AD94 TI-29 RF VEH
STOPPER (RDT&E)

610023 AD94 TI-21 RF VESSELL-
Modification 27

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Deobligates
\$21,674.11
(RDT&E)

610024 AD94 TI-34 DSLA;
Modification 30
deobligates \$5,000
(RDT&E)

610025 AD94 TI-24 PEVS;
Modification 30
deobligates
\$47,000 (RDT&E)

610026 AD94 TI-29 RF VEH
STOPPER-
Modification 27
Deobligates
\$24,129 (RDT&E)

610027 AD94 TI-33 RADES;
Modification 30
deobligates \$1,000
(RDT&E)

610028 AD94 TI-24 PEVS -
Modification 27
Deobligates
\$90,000 (RDT&E)

6110 AD94 Option Period 1 1.0 LO \$
Surge ODCs for
CLIN 4110 (Fund
Type - TBD)

611001 AD94 TI-32 DTRA
(RDT&E)

611002 AD94 TI-27 NLUAV
(RDT&E)

611003 AD94 TI-24 PEVS;
Modification 30
deobligates \$5,000
(RDT&E)

611004 AD94 TI-24 PEVS;
Modification 30
deobligates
\$10,000 (RDT&E)

611005 AD94 TI-27 NLUAV;
Modification 30
deobligates
\$13,500 (RDT&E)

611006 AD94 TI-30 SHORT
PULSE;

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Modification 30
deobligates \$4,500
(RDT&E)

6200	AD94	Option Period 2 ODCs for CLIN 4200 (Fund Type - TBD)	1.0	LO	\$
620001	AD94	TI-23 DE (RDT&E)			
620002	AD94	TI-19 BANE '2410(a) Authority is hereby invoked' (Fund Type - OTHER)			
620003	AD94	TI-34 DSLA (RDT&E)			
620004	AD94	TI-32 DTRA (RDT&E)			
620005	AD94	TI-29 RFVS (RDT&E)			
620006	AD94	TI-21 RF VES (RDT&E)			
620007	AD94	TI-20 RAILGUN (RDT&E)			
620008	AD94	TI-33 RADES (RDT&E)			
620009	AD94	TI-27 NL UAV (RDT&E)			
620010	AD94	TI-34 DSLA (RDT&E)			
620011	AD94	TI-26 SH PULSE LD (RDT&E)			
620012	AD94	TI-26 SH PULSE LD (RDT&E)			
620013	AD94	TI-30 SH PULSE CE (RDT&E)			
620014	AD94	TI-35 ACE (RDT&E)			
620015	AD94	TI 29 RFVS (RDT&E)			

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620016 AD94 TI 21 RF VES
'2410(a)
Authority is
hereby invoked'
(RDT&E)

620017 AD94 TI 35 ACE (RDT&E)

620018 AD94 TI 24 PEVS
(RDT&E)

620019 AD94 TI 24 PEVS
'2410(a)
Authority is
hereby invoked'
(RDT&E)

620020 AD94 TI 32 DTRA
'2410(a)
Authority is
hereby invoked'
(RDT&E)

620021 AD94 TI 37
MBIOT'2410(a)
Authority is
hereby invoked'
(RDT&E)

620022 AD94 TI 33 RADES
(RDT&E)

620023 AD94 TI 25 LG VES
'2410(a)
Authority is
hereby invoked'
(RDT&E)

620024 AD94 TI 19 BANE
'2410(a)
Authority is
hereby invoked'
(Fund Type -
OTHER)

620025 AD94 TI 22 TARANTULA
'2410(a)
Authority is
hereby invoked'
(RDT&E)

620026 AD94 TI 25 LG VES
'2410(a)
Authority is
hereby invoked'
(RDT&E)

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6 2 0 0 2 7 A D 9 4 T I 2 7 N L U A V

'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 2 8 A D 9 4 T I 3 1 O R I O N

'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 2 9 A D 9 4 T I 3 3 R A D E S

'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 3 0 A D 9 4 T I 3 4 D S L A

'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 3 1 A D 9 4 T I 2 4 P E V S

'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 3 2 A D 9 4 T I 2 4 P E V S

'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 3 3 A D 9 4 T I 3 0 S H P U L S E

CE
'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 3 4 A D 9 4 T I 2 4 P E V S

'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 3 5 A D 9 4 T I 3 0 S H P U L S E

CE
'2410(a)
Authority is
hereby invoked'
(RDT&E)

6 2 0 0 3 6 A D 9 4 T I - 3 8 D A R P A

(RDT&E)

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6210 AD94 Option Period 2 1.0 LO \$
 Surge ODCs for
 CLIN 4210 (Fund
 Type - TBD)
 Option

NOTE 1: SURGE

If the Government determines that an increased level of effort for support is required, the government reserves the right to exercise a "Surge Option" CLIN for additional work in accordance with the Performance Work Statement. The Contracting Officer will provide written notice to the contractor at least 30 calendar days prior to exercise of a "Surge Option" CLIN.

B.1 ADDITIONAL CLINS

Additional CLINs/SLINs may be unilaterally created by the Contracting Officer during the performance of this Task Order to accommodate the multiple types of funds that may be used under this Order. These modifications will not change the overall level of effort, estimated cost or fee of the Task Order.

B.2 KEY PERSONNEL

The contractor agrees that during the first 90 days of the period of performance no key personnel substitutions will be permitted unless such substitutions are necessitated by an individual's sudden illness, death, or termination of employment. All proposed substitutions shall have qualifications equal to or higher than the qualifications of the person to be replaced. The contractor agrees to provide the hourly rates of the incumbent and the proposed substitute.

In the event a requirement to increase the specified level of effort for a designated labor category, but not the overall level of effort of the contract, occurs, the Contractor shall submit to the Contracting Officer a written request for approval to add personnel to the designated labor category.

HQ B-2-0020 TRAVEL COSTS - ALTERNATE I (NAVSEA) (DEC 2005)

(a) Except as otherwise provided herein, the Contractor shall be reimbursed for its reasonable actual travel costs in accordance with FAR 31.205-46. The costs to be reimbursed shall be those costs accepted by the cognizant DCAA.

(b) Reimbursable travel costs include only that travel performed from the Contractor's facility to the worksite, in and around the worksite, and from the worksite to the Contractor's facility.

(c) Relocation costs and travel costs incident to relocation are allowable to the extent provided in FAR 31.205-35; however, Contracting Officer approval shall be required prior to incurring relocation expenses and travel costs incident to relocation.

(d) The Contractor shall not be reimbursed for the following daily local travel costs:

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- (i) travel at U.S. Military Installations where Government transportation is available,
- (ii) travel performed for personal convenience/errands, including commuting to and from work, and
- (iii) travel costs incurred in the replacement of personnel when such replacement is accomplished for the Contractor's or employee's convenience.

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

SECTION C: DESCRIPTIONS AND SPECIFICATIONS

C.1 INTRODUCTION

The Directed Energy Division (Q20), of the Naval Surface Warfare Center, Dahlgren Division (NSWCDD) is responsible for performing research, development, technology assessment, modeling and simulation, systems engineering, analysis, prototyping and testing of High Powered Microwave (HPM), Pulsed Power, Prime Power, High Voltage (1KV), Radio Frequency (RF)/Antennas, Control Systems and Directed Energy technologies, systems and components. These technologies and systems are often required to be developed and deployed as rapidly as possible to support the warfighter and the Global War on Terror (GWOT). As an example, a HPM system was designed, prototyped, tested and deployed OCONUS.

C.2 SCOPE

The purpose of this Task Order is to acquire services to support Q20 in the areas of HPM, Pulsed Power, Prime Power, RF and Directed Energy research, development, technology assessment, modeling and simulation, definition and performance trade-off analysis, system architecture development, model based systems engineering, doctrine and tactical policy development, prototype development including design, fabrication, test and evaluation planning and execution and integrated logistics support including deployment preparation and sustainment. The contractor shall support the government in development, prototyping, testing and analyzing various HPM, Pulsed Power, Prime Power, High Voltage (>1KV), High Power RF, short-pulse and other Directed Energy systems and components. For the purposes of this Statement of Work, all of these systems will be referred to simply as Directed Energy systems. Tasking under this contract will include conducting technical research, supporting requirements development, concept exploration, preliminary to production design specification formulation, integrating and fabricating prototype systems and components; performing trade-off analysis, assessments (including environmental and electromagnetic effects and compatibility, system capabilities, limitations, target vulnerabilities); designing, building and running models and simulations; developing test strategies/plans, acquiring, analyzing and archiving test data; developing component, system and platform integration approaches, creating and reviewing technical documentation and providing technical advice. In support of this scope, the contractor will be required to perform the following tasks. Further detail will be provided in the individual Technical Instruction (TI).

C.2.1 RESEARCH AND DEVELOPMENT

C.2.1.1 The contractor shall conduct fundamental research, scientific study, and experimentation directed to advancing the state-of-the-art or increasing knowledge and understanding of Directed Energy systems and components. This includes requirements definition, analysis of technical

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concepts, technology trade-offs, and investigation of operational concepts with the goal of applying results to developing new or improved Directed Energy systems. The contractor shall also address modernization of fielded military assets and platforms to accommodate Directed Energy capabilities. The contractor shall also conduct technology proof-of-concept experiments by testing basic principles and optimizing variable parameters. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.1.2 The contractor shall conduct studies to determine feasibility, practicality, and capability of state-of-the-art and emergent Directed Energy technologies and concepts. The contractor shall support efforts to develop, evaluate, and test the performance of these systems. This shall also include the assessment of new technologies to determine their potential applicability for advanced electromagnetic and Directed Energy Warfare. The contractor shall support Capability Based Assessments (CBAs) and Analysis of Alternatives (AoA) efforts for Directed Energy systems and exploration of practicality/suitability issues. Selected components and systems predicted reliability and total ownership costs aspects shall be included in the assessments. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.1.3 The contractor shall coordinate with various Government, civilian and military personnel in the development of Tactics, Techniques and Procedures (TTPs) and course curriculum for employment of selected technologies and field deployable Directed Energy systems. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.1.4 The contractor shall survey available technical data, intelligence, and publications to determine and document the existing and future Directed Energy threats to military and civilian systems. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.1.5 The contractor shall determine capability, limitations and vulnerability of state-of-the-art or emerging Directed Energy Weapons, including the effects on potential targets and potential countermeasures of these effects. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.1.6 The contractor shall conduct scientific investigations into the vulnerability of commercial and military infrastructure systems to Directed Energy systems, and the effectiveness of Directed Energy countermeasure systems. This includes theoretical predictions, bench and lab and field tests of components and subsystems. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A008.

C.2.2 SYSTEMS ENGINEERING

C.2.2.1 The contractor shall provide systems engineering for technology areas relating to the systems development of Directed Energy weapons, countermeasure systems and commercial infrastructure systems such as electric power and communication. This will include conceptual and prototype designs containing system requirements definition and functional decomposition. The contractor shall provide Model-Based System Engineering (MBSE) support including engineering data analysis support in the review and evaluation of data from all available sources to develop Department of Defense Architecture Framework (DoDAF) products required to

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effectively develop systems and enable transition to appropriate Programs of Record. This includes development of: Use Case Scenarios, Derived Requirements, Operational Views, System Views, Capability Views, Project Views, and affiliated Architecture Views, through to the development of performance specifications, requirements traceability products, and other design documentation. MBSE ensures traceability from basic operational requirements, through the system architecture, to produce specifications automatically. The contractor will conduct system and subsystem demonstrations to show how well selected technologies and system requirements are met and to determine the need for new ideas and alternatives to fill gaps discovered or analyzed. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.2.2 The contractor shall provide systems comparisons, engineering support, and analysis for alternative designs or improvements, such as system reliability, system safety and system throughput/response time, to state-of-the-art Directed Energy systems. The contractor shall also conduct parametric and sensitivity performance studies to see how electrical, mechanical, command and control and environmental variables affect system output and effectiveness. Required deliverables shall be in accordance with the requirements of CDRLs A003 and A004.

C.2.2.3 The contractor shall support requirements definition and the program acquisition process in accordance with DoD Directive 5000.01 and DoD Instruction 5000.02 to properly transition and establish selected Directed Energy capabilities as Programs of Record Systems or in support of existing fielded military system modernization requirements. This may include tasks such as operational, technical and system hardware and software requirements, selection and integration of hardware components and software into formal system configurations, technical data package development, SHIPALT/SHIPMAIN activities, system compatibility and hardening definition, shipboard or other platform (air, subsurface, ground – including manned and unmanned) integration, interface/interoperability and command and control impacts to existing platforms and Electromagnetic Interference (EMI) and Electromagnetic Effects issues. In performing these tasks, the contractor shall apply engineering and scientific disciplines to perform technical analysis, technical development, selection of hardware and firmware, or modifications to existing hardware and firmware for systems, test facilities or training facilities. The contractor shall also support required DoD technical, legal and safety reviews of non-lethal capabilities. This includes reviews under the Weapon System Explosive Safety Review Board (WSERB), and the DoD Human Effects Center of Excellence (HECOE). Required deliverables shall be in accordance with the requirements of CDRLs A003, A004, A007 and A008.

C.2.3 TECHNOLOGY ASSESSMENTS

C.2.3.1 The contractor shall conduct technology and vulnerability assessments and countermeasures studies to determine the potential capability of Directed Energy Weapons or Directed Energy Concepts for offensive or defensive military use. This will include assessment of requirements and investigation of operational concepts and issues. The contractor shall also conduct the analysis of state-of-the-art systems, prototypes and engineering models for specific Directed Energy Technology Programs. Required deliverables shall be in accordance with the requirements of CDRL A004.

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C.2.3.2 The contractor shall assess the vulnerability of U.S. military and civilian operations to Directed Energy threats. The contractor shall investigate and identify potential Directed Energy threats on the Joint Forces' ability to conduct military and non-military missions including the potential vulnerability of critical equipment and facilities to Directed Energy attacks. The contractor shall identify potential viable methods to counter or reduce these threats to increase survivability. These efforts may include the use of special intelligence information and involve national needs and systems. Required deliverables shall be in accordance with the requirements of CDRLs A003 and A004.

C.2.3.3 The contractor shall provide technical assessments of domestic and foreign activities for defense against Directed Energy attack and assess the availability of existing and near-term technologies to counter these weapons. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.4 MODELING, SIMULATION, AND ANALYSIS SUPPORT

C.2.4.1 The contractor shall develop and exercise simulations to predict electromagnetic interactions with electronics and the environment (including the ground, trees, buildings, conducting or dielectric materials and coupling). The contractor shall develop computer simulations and theoretical models to support the establishment of models for design, optimization, and operation of Directed Energy systems. The contractor will use existing as well as developmental codes, such as finite difference time domain codes, particle in cell codes, and Numerical Electromagnetics Code (NEC), as well as circuit, effects, component and electromagnetic propagation, lethality and campaign models. The contractor shall perform validation studies to determine the accuracy of the developed models and simulations. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.4.2 The contractor shall conduct modeling and simulation efforts of Directed Energy technologies and systems to facilitate electromagnetic design, prediction of RF effects against military and civilian targets, determining shielding effectiveness, system effectiveness predictions, design of experiment and evaluation of short-pulse, HPM systems and antennas, electromagnetic propagation and electronics countermeasure systems. Areas of application include assessment of threats, analysis of the operational environment, determination of system performance requirements, specification of system configuration, definition of interface parameters, definition of integration and support requirements, definition of multi-system coordination, and analyses of environmental interactions. The contractor shall perform validation studies to determine the accuracy of the developed models and simulations. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.4.3 The contractor shall perform the mathematical and statistical analysis of test planning, test results, data analysis and potential electromagnetic effects impact such as the ability to deny, disrupt or damage target electronics. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.4.4 The contractor shall design, develop, update and maintain technical databases associated

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with target effects, test results, equipment, experimental tests and facilities on PC-based software and hardware systems. Required deliverables shall be in accordance with requirements of CDRL A005.

C.2.5 PROTOTYPE DEVELOPMENT/EVALUATION SUPPORT

C.2.5.1 The contractor shall support design, develop and analysis associated with prototypes, scale models, mock-ups, and test models of Directed Energy systems or system elements. Additionally, the contractor shall be required to operate, troubleshoot and resolve problems for prototypes, mock-ups and models under test or being prepared for test. Types of prototypes include high-voltage short-pulse RF sources, high power microwave long-pulse systems, high rep-rate wideband systems, Pulsed Power and Prime Power, High Voltage, RF antennas and sensor systems and control systems. These efforts may include the use of advanced materials such as composites, ceramics and metals for use in components such as capacitors, switches and structures. Areas of application include analysis of the operational environment, determination of system performance, specification of system configuration, definition of interface parameters, definition of integration and support requirements, and analyses of environmental impact. The contractor shall develop and maintain an inventory database for prototype parts, support equipment and associated components. Inventory management shall include asset visibility, project stock, warehousing, storage and distribution modules to support audits, control, access and reporting of on-hand and disposed of prototype parts, components and containers. The contractor shall support integration of existing equipment or software into different applications or platforms and support the development of alterations to on-hand Directed Energy systems. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.5.2 The contractor shall support government efforts to design, acquire, develop, analyze, fabricate and operate prototypes, scale models, mock-ups, and test models of representative target systems such as computer networks, industrial systems, commercial electronics, security systems and infrastructure controls. This includes determining most common equipment, architectures, and applications in use. The contractor shall assemble mechanical enclosures and prototype hardware, wire prototype components, produce cables, layout and populate electronic circuit board and circuit board soldering. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.5.3 The contractor shall be required to fabricate some of the prototypes for Directed Energy systems or targets. This task could include the acquisition and fabrication of specialized material and equipment such as interface hardware, targets, special test bed circuits, surrogate test objects, source components, diagnostic hardware, control systems, mounts, gimbal systems, generator components, mechanical enclosures and structures, source components and replacement parts. The contractor will identify, evaluate and test applicable Commercial Off-the-Shelf (COTS) hardware, firmware and software for suitability in satisfying prototype requirements. Purchases over \$10K will need to be approved prior to purchase by the Contracting Officer if the Offeror doesn't have a an approved Purchasing System. Required deliverables shall be in accordance with the requirements of CDRLs A004, A005 and A008.

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C.2.5.4 The contractor shall evaluate the operational and technical performance of components and subsystems used in Directed Energy prototypes. These evaluations often will require the use of specialized measurement devices, calibration facilities, instrumentation, data acquisition and processing systems. The contractor shall use and maintain these specialized systems and when necessary acquire or design, develop and fabricate these specialized systems. Required deliverables shall be in accordance with the requirements of CDRLs A004, A005 and A008.

C.2.5.5 The contractor shall provide technical drawings and specifications for prototype designs and interfaces. A technical data package shall include applicable technical data such as drawings and associated lists, specifications, standards, performance requirements, quality assurance provisions and packaging details. The contractor shall also provide any unique testing, processing requirements and maintenance guides. Updates to existing prototype design documentation may also be necessary to include in the technical package. Documentation may be in the form of paper, electronic packages, or software and may include Computer-aided design (CAD) drawings, interface drawings, assembly or operation and maintenance documentation and parts specifications. Required deliverables shall be in accordance with the requirements of CDRLs A003, A004, A005 and A007.

C.2.5.6 The contractor shall develop advanced multi-channel high-speed data acquisition systems and high-speed diagnostic systems for measuring parameters and effects of Directed Energy weapon systems and subsystems, as necessary. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.6 SYSTEMS TEST AND EVALUATION/TEST FACILITY OPERATIONS SUPPORT/DEPLOYMENT PREPARATION

C.2.6.1 The contractor shall develop and conduct operational tests to measure effectiveness of full and reduced scale models, mock-ups, prototypes and component technologies for a variety of Directed Energy systems/components – high average or peak power RF sources, high power microwave systems, high rep-rate wideband systems, pulsed power and prime power systems, High Voltage systems, control systems and antennas. The contractor shall also develop test definitions, designs and specifications for static and dynamic tests of Directed Energy systems and components in controlled laboratory environments, under simulated dynamic field conditions and under actual field conditions. The types of testing include target vulnerability effects, source characterization, field mapping, shielding effects, direct injection, functional, environmental effects, performance and waveforms. The contractor shall develop the necessary test plans, test simulation and emulation, test documentation, safety plans, risk hazard assessments and Standard Operating Procedures (SOP). The contractor shall set up and check out all test and prototype equipment prior to test, prepare test site and transport all necessary equipment to the test site, teardown and clean up test site after test, if appropriate. The contractor shall produce written test plans, data recording (planning/storage), event reconstruction, data analysis and final report documentation of the test results. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.6.2 The contractor shall develop, assemble, monitor, test, and maintain operation during

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testing of common infrastructure and mission support systems such as communications systems, sensor systems, power systems, data acquisition and processing systems, distributed control systems, programmable logic systems, alarm systems, industrial systems, and computer information systems to be used at test targets to determine effects of a Directed Energy attack and countermeasures against such attacks. This may include computer systems (networks and servers); supervisory control and data acquisition systems; commercial infrastructure systems such as power, telephone, radio, traffic, security systems; and electrical/mechanical systems such as pumps, motors, valves, and controls. This is typically commercially available hardware and software with potential modifications required for testing or monitoring requirements. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A005.

C.2.6.3 The contractor shall conduct calibration and operation of specialized hardware and diagnostic equipment during testing. The contractor shall also develop, calibrate and operate RF diagnostics required to measure quantities such as electric and magnetic fields, short-pulse high-voltage waveforms, radiated field patterns antenna designs, intensity, attenuation ratios, and efficiencies. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A007.

C.2.6.4 The Contractor shall provide and/or coordinate use of unique targeted equipments and associated interface hardware, software and the operators/technicians needed to operate these equipments in support of system tests. This includes calibration instrumentation and electrical or mechanical fixtures to interface system or test equipment to land, air, shipboard or subsurface platforms. Additional provisioning of all jigs, mounts, configurations, and mock-ups to operate these equipments and obtain characterization measurements shall be provided by the contractor. The contractor shall acquire, fabricate and machine parts or equipment for bench and field tests or test platforms. Purchases over \$10K will need to be approved by the Contracting Officer prior to purchase. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A008.

C.2.6.5 The contractor shall disassemble, configure and pack Directed Energy system prototypes and/or components for shipment to CONUS locations. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.2.6.6 The contractor shall provide offsite test support to include CONUS locations. It is estimated that travel to offsite destinations will be required during each year of performance during the life of the contract. Required deliverables shall be in accordance with the requirements of CDRLs A004 and A008.

C.2.6.7 The contractor shall provide for the development of specifications and implementation of security procedures for laboratory and test facilities that are suitable for classified operations at the Secret and Top Secret levels. Required deliverables shall be in accordance with the requirements of CDRL A004.

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C.2.7 PROGRAM MANAGEMENT/ADMINISTRATIVE SUPPORT

C.2.7.1 The contractor shall provide programmatic support related to specific assigned technical efforts, including the development of Program Plans, Plans of Action and Milestones (POA&M), work breakdown structures, staffing plans, financial documentation, Quality Assurance Plans and Procedures, Configuration Management Plans, point papers, status reports, Situation Reports, Operations/User Manuals, technical drawings/diagrams, training materials and other written or electronic documentation that describe planned, current or future operations or tasks related to Directed Energy programs required to support the Q20 mission requirements and objectives. Required deliverables shall be in accordance with the requirements of CDRLs A004, A006 and A007.

C.2.7.2 The contractor shall support the planning and execution of technical meetings, workshops, and/or conferences in which one or more of the Directed Energy programs or capabilities are presented. This includes technical support to arrange the program, technical and administrative staffing during the meetings, collection and preparation of briefing materials and papers for post-meeting distribution, recording minutes and action items and implementation of security procedures for classified meetings. This also includes hosting project team, planning and status meetings at the contractor's facility. Required deliverables shall be in accordance with the requirements of CDRLs A002, A004 and A006.

C.2.7.3 The contractor shall provide technical editing and document and graphics support in the preparation of technical publications. Required deliverables shall be in accordance with the requirements of CDRLs A002 and A006.

C.2.7.4 The contractor shall log, label, track, and dispose of classified materials generated as a direct product of this contract. Required deliverables shall be in accordance with the requirements of CDRL A004.

C.3 GOVERNMENT FURNISHED PROPERTY/FACILITIES

C.3.1 The government will provide access to NMCI/other government computer resources as required.

C.3.2 Much of the contract performance will occur in government spaces. Q20 has laboratory and outdoor experimental facilities and equipment to develop and evaluate Directed Energy systems. These resources include: equipment and test vans, fiber optic data links, laboratories, computer and simulation systems, fabrication/shop facilities and outdoor ranges for testing Directed Energy components and systems. Contractors will be provided access to these resources, when appropriate. The buildings, room numbers and facilities are reflected below:

Bldg	Room	Facility Name
194		Hangar (temporary)

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213	2018 / 2018A	Modeling Lab
213	1006	Electronic & Systems Development Lab
213	1007	RF Lab
213	1008	High Bay
213	1014	GTEM Lab
994		
1118		HIVAR
1120		PUPFAC
	101A	
	102	
	103	
1332		MOATS (Citadelle)
1334		MOATS (Bastille)
1470	1406	SIPRNET Room ("Bowling Alley")
1470	1410	Conference Room ("NIRF Conference Room")
1470	1502	GTEM Lab
1470	1511	OPAL Lab
1470	1512	Instrumentation and Diagnostics Lab
1470	1513	Prototype and Fabrication Lab
1470	1612	NLUAV
1495		FAST
1502		WAF

C.4 TASK ORDER MANAGEMENT

C.4.1 Schedule

C.4.1.1 The contractor shall deliver and maintain an integrated project schedule using Microsoft Project that shows all resource-loaded tasks through level 2, durations, dependencies and deliverables.

C.4.2 Monthly Progress Report (A001)

C.4.2.1 The contractor shall submit a Monthly Progress Report (MPR) by the 15th of the month following the month being reported on. The cutoff date of the report shall be the same as that used for invoicing purposes by the prime contractor. Any and all subcontractor, consultant, vendor data shall be current through the "as of" date of the report. The report shall be unclassified and reflect no proprietary markings; narrative information shall be in Microsoft Word. Any trips conducted during the reporting period will require a trip report specifying the purpose, duration, attendee's, cost. E-mail submission is required. The specific format shall be pre-approved by the COR and the Contract Specialist.

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C.4.2.2 This Task Order will be funded from a variety of sponsors. It will be necessary, therefore, for the Monthly Progress Report to separately report on work accomplished for each project area both in terms of technical accomplishments and expenditure data. The level of detail identified in the sections below will be required for each project area.

C.4.2.3 Each line of funding obligated against this Task Order will have a unique subCLIN, or SLIN. These SLINs are automatically established by SeaPort-e. This can result in a situation where the same line of accounting, or ACRN, could be obligated under multiple SLINs. Invoicing is accomplished at the SLIN level within Wide Area Workflow.

C.4.2.4 The Monthly Progress Report shall be distributed to the COR, Area Director and the Contract Specialist in its entirety. Individual project/task leads shall be provided that section of the report that applies to their respective projects. The following information shall be provided as a minimum in the Monthly Progress Report. The Government will provide a template to be used for displaying the following information. The Government reserves the right to change the template as necessary to respond to Sponsor reporting requirements.

C.4.2.4.1 Summary Information: The contractor shall include a summary of all funded tasks/projects/Technical Instructions (TIs) under the Task Order.

C.4.2.4.2 This summary shall be organized by Task Order period (Base, Option 1, etc.) and shall include the following data: Project name, TI number (if applicable), funded amount, expenditures to date, funding balance and expenditure of hours. It is expected that as data for completed CLINs are revised due to indirect rate adjustments or other reasons, deobligations of excess amounts, etc., information in this summary section shall be revised accordingly.

C.4.2.4.3 For both current and completed CLINs, provide tables that show ceiling hours, funded hours, and both current and cumulative hours (separately identify regular hours from Uncompensated Time/Total Time Accounting (UT/TTA) hours) charged to the Task Order by Task Order labor category. Provide subtotals for key and non-key categories and overall totals.

C.4.2.4.4 Following this summary expenditure information, the report shall identify the CLIN currently being performed and its period of performance. List current CLIN Task Order modifications by number, to include date issued and description. List TIs issued by number, date issued and description.

C.4.2.4.5 Detailed information to be provided by task/project/TI and functional area: The data described below shall be provided for each project/work area/technical instruction. The document shall provide a separate section or module for each task/project/TI. Sections and modules are required only for work being performed during the current period or CLIN.

C.4.2.4.6 Discuss efforts performed during the reporting period.

C.4.2.4.7 Identify any problems encountered (technical/schedule/cost) and resolutions. Specifically note if there are any unresolved problems/issues at the end of the reporting period.

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C.4.2.4.8 Specifically state whether the task is on schedule, ahead of schedule, or behind schedule. If behind schedule, discuss what steps are being or will be taken to complete all requirements on time if possible, or provide a proposed revised schedule based on best current estimates. Note that any revisions to the delivery schedule could require advance Government approval by modification to the TI.

C.4.2.4.9 Provide the status of all assigned deliverables. Include title, CDRL number, due date, date delivered, applicable task or TI, Government point of contact, Contractor point of contact and description of deliverable(s). The final report for each contract period shall include a cumulative list of all deliverable items provided. Detail shall be the same as that provided in individual monthly reports.

C.4.2.4.10 Identify any open correspondence that requires either Government or Contractor action.

C.4.2.4.11 Financial and other information: It is a material requirement of this Task Order that expenditure information be current thru the "as of" date of the report for all performers (prime contractor, subcontractor, consultant, vendor). It is understood that this data may reflect higher expenditures than what has been invoiced. For example, a report for the period ending 31 Oct 2010 is expected to reflect all subcontractor expenditures in terms of hours and dollars thru 31 Oct 2010 whether or not these amounts have been invoiced to, or paid by, the prime contractor.

C.4.2.4.12 Individual project/task/TI sections or modules are required only for work being performed during the current period or CLIN.

C.4.2.4.13 Provide current and cumulative expenditures of both hours and dollars. The level of detail shall be at the Labor Category, Year or TI level for this and subsequent paragraphs. Separately show expenditures by CLIN (labor and ODC). Show the amount funded and compute a funding balance.

C.4.2.4.14 Provide line graphs showing cumulative expenditures of both hours and dollars. These graphs shall show planned cumulative expenditures as well as cumulative funded level(s). Planned values may not be linear and will require revision as/if plans change. Provide numerical values for all points graphed. Dollar expenditures may be rounded to the nearest dollar; quantities of labor hours may be rounded to the nearest hour.

C.4.2.4.15 Provide the names of all personnel charging. Organize this data by Task Order labor category and show both current and cumulative hours charged for each individual. Separately show UT/TTA hours worked (if applicable). Task Order labor categories shall be identified as to whether they are key or non-key categories. Subtotals shall be provided for key and non-key categories as well as total current and cumulative hours. These data shall include subcontractor/consultant hours in appropriate labor categories.

C.4.2.4.16 Identification of all items charged against the ODC CLIN. Include description of item, quantity, purpose, vendor, unit price, extended price and disposition.

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C.4.2.4.17 Total expenditures shall be compared to those invoiced for the same period and differences explained. It is understood that subcontractor/consultant expenditures reported in the Monthly Progress Report will frequently be greater than the amounts invoiced.

C.4.2.4.18 The contractor shall be responsive to requests for changes to the above requirements if, during performance, the Government identifies a need for additional/revised information to be included. All changes to the Monthly Progress Report shall be approved in advance by the COR and the Contracting Specialist.

C.4.2.4.19 Invoice Information

Direct Labor - Provide current and cumulative expenditures (both labor hours and dollars) invoiced by Cost Center where charges originated. Identify the Cost Center. Show totals for both current and cumulative invoiced amounts.

Indirects - List each indirect rate being invoiced, showing applicable Cost Center as well as current and cumulative dollar amounts by Cost Center. Also show total indirect costs, both current and cumulative. Compare rates being invoiced to the rates proposed for the task order period.

Subcontracts/Consultants - Provide copies of invoices received from subcontractors and consultants as well as evidence of your review to ensure that all invoiced costs represent services that have been performed and deliverable items.

Fixed Fee - Show each fee rate applied, together with current and cumulative dollar amounts. Show the base to which each fee rate was applied.

Other Direct Costs - List category of expense (airfare, per diem, supplies, etc.) and show both current and cumulative expenditures for each category. Be prepared to provide copy of receipt documentaion to the COR or Contract Specialist if requested.

SF1034/SF1035. If the contractor has prepared an SF1034/1035, attach a complete copy.

Total expenditures per the Monthly Progress Report shall be compared to those invoiced for the same period and differences explained. It is understood that subcontractor/consultant expenditures reported in the Monthly Progress Report will frequently be greater than the amounts invoiced.

C.4.2.4.20 Following this summary expenditure information, the report shall identify the CLIN currently being performed and its period of performance. List current CLIN Task Order modifications by number, to include date issued and description. List TIs issued or funded projects/work areas by number (where applicable), date issued and description. Show amount funded, total expenditures, funding balance, and total invoiced to dated.

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C.4.2.5 Information to be provided by task/project/TI: The data described below shall be provided for each project/work area/technical instruction. It is desired that there be a separate section or module for each.

C.4.2.5.1 Discuss efforts performed during the reporting period. Where work is performed by a subcontractor, specifically also address the value-added tasks performed by the prime contractor.

C.4.2.5.2 Identify any problems encountered (technical/schedule/cost) and resolutions. Specifically note if there are any unresolved problems/issues at the end of the reporting period.

C.4.2.5.3 Specifically state whether the task is on schedule, ahead of schedule, or behind schedule. If behind schedule, discuss what steps are being or will be taken to complete all requirements on time if possible, or provide a proposed revised schedule based on best current estimates. Note that any revisions to the delivery schedule could require advance Government approval by modification to the TI/tasking document.

C.4.2.5.4 Provide the status of all assigned deliverables. Include title, CDRL number, due date, date delivered, Contractor point of contact and description or title of deliverable(s). The final report for each contract period shall include a cumulative list of all deliverable items provided. Detail shall be the same as that provided in individual monthly reports.

C.4.2.5.6 Identify any open correspondence/e-mail that requires either Government or Contractor action.

C.4.3 Financial and other information

It is a material requirement of this Task Order that expenditure information be current thru the "as of" date of the report for all performers (prime contractor, subcontractor, consultant, vendor). It is understood that this data may reflect higher expenditures than what has been invoiced. For example, a report for the period ending 31 Oct 2007 is expected to reflect all subcontractor expenditures in terms of hours and dollars thru 31 Oct 2007 whether or not these amounts have been invoiced to the prime contractor.

C.4.3.1 Individual project/task/TI sections or modules are required only for work being performed during the current period or CLIN.

C.4.3.2 Provide current and cumulative expenditures of both hours and dollars. Separately show expenditures by CLIN (labor and ODC). Show the amount funded and compute a funding balance.

C.4.3.3 Provide line graphs showing cumulative expenditures of both hours and dollars. These graphs shall show planned cumulative expenditures as well as cumulative funded level(s). It's understood that planned values may not be linear and will require revision as projections change.

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Provide numerical values for all points graphed. Dollar expenditures may be rounded to the nearest dollar; quantities of labor hours may be rounded to the nearest hour.

C.4.3.4 Provide the names of all personnel charging. Organize these data by Task Order labor category and show both current and cumulative hours charged for each individual. Separately show uncompensated hours/TTA hours worked (if applicable). Task Order labor categories shall be identified as to whether they are key or non-key categories. Subtotals shall be provided for key and non-key categories as well as total current and cumulative hours. These data shall include subcontractor/ consultant hours in appropriate labor categories.

C.4.3.5 Identification of all items charged against the task/project/TI. Include description of item, quantity, purpose, vendor, unit price, extended price and disposition.

C.4.3.6 Travel Performed. Identify all travel direct-charged during the period, showing the following for each: Destination, purpose of trip, number of travelers, length of trip, and estimated cost of the trip. It is understood that these costs are estimates only and that actuals would be available only after all travel claims have been paid.

C.4.3.7 Contractor Manpower Reporting. The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for the NSWC Dahlgren Division via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address <https://doncmra.nmci.navy.mil>. Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30 of each calendar year. Contractors may direct questions to the help desk, linked at <https://doncmra.nmci.navy.mil>.

C.4.4 Table of Approved Personnel

C.4.3.1 The contractor shall submit a monthly report showing all personnel who have been approved to charge to this Task Order. This report is due concurrent with submission of the first Monthly Progress Report, 15 days after the end of the month being reported on.

C.4.3.2 This report shall be submitted in table format that shall show the following: Task Order labor category, individual's name, employer, location (if Government working space), date resume submitted, date resume approved, and date removed. If a resume is submitted as a replacement for a Key Person approved at time of award, the name of the individual being replaced shall also be provided. The specific format will be addressed at the Task Order Kick-Off meeting.

C.4.4 Plan of Actions and Milestone (POA&M) Requirements

The contractor shall develop a POA&M for each work element. The signed POA&M shall be provided electronically to the Contract Specialist, the COR, and the appropriate Government Technical Assistant (TA) or Lead (TA) within forty-five (45) calendar days after issuance of the

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order. Thereafter, plans shall be updated bi-annually or as needed. While contractor format is acceptable, with Government's approval, the following information, as a minimum, shall appear in each POA&M. (CDRL A006).

- a. Date POA&M prepared/revised
- b. Work Element (number and title)
- c. Revision number if applicable
- d. Contract and Order Number
- e. POA&M Period Of Performance
- f. Contractor Interfaces/Points Of Contact (technical area)
- g. Government Interfaces/POC
- h. Estimated labor hours and total cost (including fee)
- i. Work summary - to include tasking for the year
- j. Subcontractors identified by name
- k. Travel
- i. Data items to be delivered

C.4.5 In Progress Review (IPR)

The contractor shall participate in both formal and informal IPRs of work being performed. IPRs may be conducted at the overall Task Order level or for specific projects/work areas/TIs. Reviews will be scheduled by the Government and held in Government spaces. At the time the review is scheduled, the Government will communicate the specific purpose of the review and advise the contractor as to the desired content of the presentation. The contractor shall provide copies of slides presented to all attendees. An initial formal IPR is planned within 60 days of the Task Order award date and will follow an agenda agreed to by the COR. Subsequent formal IPRs shall be held approximately every 90 days thereafter unless waived by the Government.

C.4.6 Task Prioritization Meeting

The contractor shall participate in periodic Task Prioritization Meetings with the COR and TI leads. The purpose of these meetings is to convey the Government's technical program schedules and priorities and to identify corresponding project priorities. It is anticipated that these meetings will occur on a biweekly basis. At the Government's discretion, these meeting may be conducted by conference call. Results of these meetings shall be documented in the Biweekly Progress Report.

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C.4.7 Technical Instruction/Project/Work Area Plan

The Government may require the contractor to submit execution plans for large and/or high visibility projects. These plans would typically include schedules, priorities, management approach, and staffing plans. Schedule data shall be delivered and maintained in Microsoft Project and will include resource loading, durations, dependencies and deliverables. Other items may be identified by TI.

C.5 SECURITY

Many projects under this Task Order will be conducted at security levels up to and including TOP SECRET. The Department of Defense Contract Security Classification Specification (DD Form 254) provides the security classification requirements for this order. The contractor shall obtain facility and personnel security clearances as required by the Department Industrial Security Program prior to starting to work on tasks in this contract. Access to classified spaces and material and generation of classified material shall be in accordance with the attached DD Form 254. All technical and other data provided to and/or developed by the contractor shall be protected from public disclosure in accordance with the markings contained thereon. All information relating to the items to be delivered or services to be performed under this task order may not be disclosed by any means without prior approval of the Contracting Officer and the task order manager.

C.6 OTHER DIRECT COSTS (ODC)

C.6.1 Travel

Travel to offsite destinations will be required during each period of performance during the life of the order. Field exercises will be conducted at one or more of the Major Range and Test Facility Base (MRTFB) locations as follows:

White Sands, NM
Yuma, AZ
China Lake, CA
Utah Test Range, UT
Air Force Research Laboratory, NM
San Nicholas Island CA

Possibility of travel at other Contractor sites and onboard ships may be required. For each one year period, an estimated minimum of:

- one two-week trip to test locations in CONUS
- one one-week trip to test locations in CONUS
- one four-week trip to test locations in CONUS

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- twenty five (25) two-day trips to East Coast locations
- one one-week trip to support international meetings to OCONUS (European locations)
- twenty five (25) one-day trips to the Washington Metropolitan area.

All travel will be conducted in accordance with the Joint Travel Regulations (JTR) and the Federal Travel Regulations (FTR) and shall be preapproved by the COR.

C.6.2 Materials and Equipment

During the performance of this task order it may be necessary for the contractor to procure materials to respond to the mission requirements listed in the Performance Work Statement. This task order is issued under a services contract and the procurement of materials of any kind that are not directly related to and necessary for performance may be determined to be unallowable costs pursuant to FAR Part 31. These items may include materials, equipment, special enclosures, test fixtures. Any material provided by the contractor is subject to the requirements of the FAR, DFARS, and the applicable Department of Navy regulations and instructions. Charges related to materials costs may include general and administrative (G&A) expenses but shall not include fee or profit.

C.6.3 Costs Expressly Not Allowed for Direct Charge

The costs of general purpose business expenses required for the conduct of normal business operations will not be considered allowable direct costs in the performance of the contract. General purpose business expenses include but are not limited to the costs for items such as telephones (including cell phones) and telephone charges, copy machines, word processing equipment, personal computers, and other office equipment and supplies.

C.6.4 Approvals

Prior written approval from the Contracting Officer shall be required for all purchases of materials under the following circumstances:

- (1) A purchase of materials that are above \$3,000 but no more than \$10,000 per individual item purchase may be executed with COR review and written approval. Advance PCO approval is not required.
- (2) A purchase of materials that exceeds \$10,000 per individual purchase may NOT be executed without the COR review of the proposed purchase and PCO's written approval.
- (c) Separate multiple purchases of amounts valued below those thresholds stated in this section shall not be submitted to circumvent the COR and PCO review and approval procedure. Splitting purchase requirements to defeat purchasing thresholds shall not be approved.

C.6.5 Procedure for Obtaining COR and CO Approval

To obtain COR and/or PCO approval, the contractor shall:

- (a) Submit a written request for purchase of materials to the COR through e-mail. The COR shall review the request. If it requires PCO approval, the COR shall submit the request via the Contract Specialist to the PCO for review and approval.
- (b) Minimum requirements for a written request for purchase are as follows:
 - (1) Complete description of the material to be purchased
 - (2) Quantity

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- (3) Unit Cost and Total Cost
 - (4) Estimated Delivery/Freight charges
 - (5) Any associated service charges such as assembly, configuration, packing, etc.
 - (6) An explanation of the need for the material
 - (7) List the competitive quotes received from potential suppliers
 - (8) The basis for the selection of the selected supplier
 - (9) Written determination of price reasonableness regarding the selected supplier costs
 - (10) If the procurement is sole sourced to a particular supplier or manufacturer, include the rationale for limiting the procurement to that supplier or manufacturer.
 - (11) The contractor may seek the assistance of the Contract Specialist for guidance on item 10 above.
- (c) Once the COR and/or PCO have reviewed the request, the Government shall notify the contractor of the outcome. Issues or details may be discussed with the Contract Specialist acting on behalf of the PCO until a final Government determination is made as to whether to approve, modify, or reject the purchase.
- (d) The contractor is required to possess and maintain an adequate Property Management System throughout performance.

C.6.6 Disposition of Materials

Upon completion of the period of performance, all material associated with this Order that is purchased by the contractor and not depleted during the performance of the Order shall become the property of the Federal Government. The contractor shall coordinate with the COR inventory and transfer of all materials not depleted by way of a Material Inspection and Receiving Report (DD250).

C.7 DELIVERABLE REQUIREMENTS

Specific deliverables requirements are identified below. Copies of all deliverable, both formal and informal, shall be provided to the following distribution: COR, ACOR, Q20, Area Director, TI leads. Other distribution may be mutually agreed to.

CDRL No.: A001

Title: CONTRACTOR'S PROGRESS, STATUS AND MANAGEMENT REPORT

DID No.: DI-MGMT-80227

Frequency: Biweekly

Date of First Submission: Due 10 days after the end of the Biweekly period being reported on.

Date of Subsequent Submissions: Biweekly thereafter.

Remarks: Content to be as specified in C.4.2 above.

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CDRL No.: A002

Title: PRESENTATION MATERIAL

Subtitle: In Process Review Briefings, Technical Presentations

DID No.: DI-ADMN-81373

Frequency: As required

Remarks: Delivery schedule to be established at time of government request.

CDRL No.: A003

Title: REVISIONS TO EXISTING GOVERNMENT DOCUMENTS

DID No.: DI-ADMN-80925

Frequency: As required

Remarks: Revised document to carry the same title as previous. Delivery schedule to be established at Task Prioritization Meetings.

CDRL No.: A004

Title: TECHNICAL REPORT – STUDY/ SERVICES CONTRACT

Subtitle: See Remarks section.

DID No.: DI-MISC-80508

Remarks: Titles include, but are not limited to: technical reports, feasibility studies, technical specifications, test reports and technical databases. Delivery schedule to be established at Task Prioritization Meetings.

CDRL No.: A005

Title: COMPUTER SOFTWARE PRODUCT END ITEMS

DID No.: DI-MCCR-80700

Remarks: Titles include, but are not limited to: computer simulations, models, technical databases. Delivery schedule to be established at Task Prioritization Meetings.

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CDRL No.: A006

Title: TECHNICAL REPORT – STUDY/SERVICES CONTRACT

Subtitle: Plan of Action and Milestones

DID No.: DI-MISC-80508

Frequency: As required

Remarks: Delivery schedule in accordance with C.4.1.

CDRL No.: A007

Title: ENGINEERING DRAWINGS

DID No.: DI-DRPR-80651

Frequency: As required

Remarks: Delivery schedule to be established at Task Prioritization Meetings.

CDRL No.: A008

Title: PRODUCTION INSPECTION EQUIPMENT TEST SYSTEMS
ENGINEERING DESIGN DATA

Subtitle: Engineering Specifications

DID No.: DI-RELI-80261

Frequency: As required

Remarks: Delivery schedule to be established at Task Prioritization Meetings.

C.8 NON-DISCLOSURE AGREEMENTS (NDAs)

NDAs may be utilized to allow for access to company sensitive/proprietary data. For tasks requiring NDAs the contractor shall obtain appropriate agreements for all of their employees that are associated with the task requiring such an agreement.

Contractor personnel may be required, from time to time, to sign non-disclosure statements as applicable to specific tasking. The COR will notify the contractor of the number and type of personnel that will need to sign the Non-Disclosure agreements. The signed Non-Disclosure Agreements shall be executed prior to accessing data or providing support for information that is

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considered business or program sensitive and returned to the COR for endorsement and retention. Copies of all executed NDAs shall be provided to the COR.

C.9 NON-PERSONAL SERVICES/ INHERENTLY GOVERNMENTAL FUNCTIONS

(a) The Government will neither supervise contractor employees nor control the method by which the contractor performs the required tasks. Under no circumstances shall the Government assign tasks to, or prepare work schedules for, individual contractor employees. It shall be the responsibility of the contractor to manage its employees and to guard against any actions that are of the nature of personal services or give the perception that personal services are being provided. If the contractor feels that any actions constitute, or are perceived to constitute personal services, it shall be the contractor's responsibility to notify the Contracting Officer immediately.

(b) Inherently-Governmental functions are not within the scope of this Task Order. Decisions relative to programs supported by the contractor shall be the sole responsibility of the Government. The contractor may be required to attend technical meetings for the Government; however, they are not, under any circumstances, authorized to represent the Government or give the appearance that they are doing so.

C.10 CONTROL OF CONTRACTOR PERSONNEL

The contractor shall comply with the requirements of NAVSEA and NSWCDD instructions regarding performance in Government facilities. All persons engaged in work while on Government property shall be subject to search of their persons (no bodily search) and vehicles at any time by the Government, and shall report any known or suspected security violations to the appropriate Security Department. Assignment, transfer, and reassignment of contractor personnel shall be at the discretion of the contractor. However, when the Government directs, the contractor shall remove from contract performance any person who endangers life, property, or national security through improper conduct. All contractor personnel engaged in work while on Government property shall be subject to the Standards of Conduct contained in SECNAVINST 5370.2J.

C.11 DIGITAL DELIVERY OF DATA

(a) Delivery by the Contractor to the Government of certain technical data and other information is now frequently required to be made in digital form rather than in hardcopy form. The method of delivery of such data and/or other information (i.e., in electronic, digital, paper hardcopy, or other form) shall not be deemed to affect in any way either the identity of the information (i.e., as "technical data" or "computer software") or the Government's and the Contractor's respective rights therein.

(b) Whenever technical data and/or computer software deliverables required by this contract are to be delivered in digital form, any authorized, required, or permitted markings relating to the

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Government's rights in and to such technical data and/or computer software must also be digitally included as part of the deliverable and on or in the same medium used to deliver the technical data and/or software. Such markings must be clearly associated with the corresponding technical data and/or computer software to which the markings relate and must be included in such a way that the marking(s) appear in human-readable form when the technical data and/or software is accessed and/or used. Such markings must also be applied in conspicuous human-readable form on a visible portion of any physical medium used to effect delivery of the technical data and/or computer software. Nothing in this paragraph shall replace or relieve the Contractor's obligations with respect to requirements for marking technical data and/or computer software that are imposed by other applicable clauses such as, where applicable and without limitation, DFARS 252.227-7013 and/or DFARS 252.227-7014.

C.12 IDENTIFICATION BADGES

The contractor shall be required to obtain identification badges from the Government for all contractor personnel to be located on Government property. The identification badge shall be visible at all times while employees are on Government property. The contractor shall furnish all requested information required to facilitate issuance of identification badges and shall conform to applicable regulations concerning the use and possession of the badges. The contractor shall be responsible for ensuring that all identification badges issued to contractor employees are returned to the appropriate Security Office within 48 hours following completion of the Task Order, relocation or termination of an employee, and upon request by the Contracting Officer.

C.13 USE OF INFORMATION SYSTEM (IS) RESOURCES

Contractor Provision of IS Resources

Except in special circumstances explicitly detailed elsewhere in this document, the Contractor shall provide all IS resources needed in the performance of this contract. This includes, but is not limited to computers, software, networks, certificates, and network addresses.

Contractor Use of NSWCDD IS Resources

In the event that the contractor is required to have access to NSWCDD IS resources, the login name used for access shall conform to the NMCI login naming convention. If the contractor requires access to applications/systems that utilize client certificates for authentication, the contractor is responsible for obtaining requisite certificates from a DOD or External Certificate Authority.

If this contract requires that the contractor be granted access and use of NSWCDD IS resources (at any site), the IS shall be accredited for contractor use in accordance with procedures specified by the Information Assurance Office.

Connections Between NSWCDD and Contractor Facilities

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If there is a requirement (specifically delineated elsewhere in this contract) for interconnection (e.g., link level or Virtual Private Network (VPN)) between any facilities and/or ISs owned or operated by the contractor and ISs owned or operated by NSWCDD, such interconnection shall take place only after approval from the NSWCDD Information Assurance Office. All such connections as well as the ISs connected thereto will be accredited in accordance with DOD policy (DODI 5200.40) by the cognizant Designated Approving authority (DAA) and comply with the requirements of CJCSI 6211.02B regarding Memorandums of Agreement. All such connections will be made outside the appropriate NSWCDD firewall.

C.14 SKILLS AND TRAINING

The Contractor shall provide capable personnel with qualifications, experience levels, security clearances, and necessary licenses, certifications, and training required by Federal, State, and Local laws and regulations. Training necessary to ensure that personnel performing under this contract maintain the knowledge and skills to successfully perform the required functions is the responsibility of the Contractor. Training necessary to maintain professional certification is the responsibility of the Contractor.

C.15 SUBCONTRACTORS/CONSULTANTS

In addition to the information required by FAR 52.244-2 Alternate 1 of the contractor's SeaPort-e contract, the contractor shall include the following information in requests to add subcontractors or consultants during performance, regardless of subcontract type or pricing arrangement.

(1) The results of negotiations to incorporate rate caps no higher than the lower of (i) SeaPort-e rate caps for the prime contractor, or in the case where the proposed subcontractor is also a SeaPort-e prime, (ii) rate caps that are no higher than the subcontractor's prime SeaPort-e contract.

(2) Impact on subcontracting goals, and

(3) Impact on providing support at the contracted value

C.16 SHIPBOARD PROTOCOL

16.1 This task order will involve working onboard U.S. and/or foreign naval ships or vessels . As such, the Contractor is reminded of its responsibility to assure that shipboard protocol is stringently followed. Specifically, visit requests must be arranged through the Government sponsor and must be forwarded to the individual command being visited as well as to all supporting commands, such as the base, squadron, tender, etc. that the visitor must pass through to get to the ship or vessel; the Contractor is responsible for obtaining and maintaining specialized training (i.e., nuclear awareness, safety, quality control, etc.) and certification (i.e., SUBSAFE certification, etc.); personnel performing onboard U.S. Navy ships must have at least a SECRET security clearance; if not led by a Government representative, the Contractor is responsible for briefing the ship/command upon arrival; and, the Contractor is responsible for debriefing the ship/command upon departure to include the operational status of the equipment.

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16.2 The Contractor shall ensure that its personnel adhere to these requirements when performing shipboard operations or tasks. Compliance shall be reported in the trip report, CDRL Requirement A001.

16.2.1 All personnel working shipboard shall possess at least a SECRET security clearance.

16.2.2 All personnel, while shipboard, shall conform to the rules and regulations of the ship. It is the responsibility of the Contractor to determine the proper rules, regulations, actions, policy, and procedures.

16.2.2.1 Alarms – actual or drill

16.2.2.2 Safety – hardhats, tag-outs, safety shoes, goggles, etc. as applicable

16.2.2.3 HAZMAT – bringing hazardous materials aboard, using hazardous materials, etc.

16.2.3 The designated team lead shall, upon arrival, brief the Commanding Officer or his/her designated representative as to the purpose of the visit and expected duration.

16.2.4 The designated team lead shall, upon departure, debrief the Commanding Officer or his/her designated representative as to the success of the work performed.

Ddl-C30 HAZARDOUS MATERIALS USED ON GOVERNMENT SITE

(a) This clause applies if hazardous materials are utilized at any time during the performance of work on a Government site under this Task Order. Hazardous materials are defined in Federal Standard No. 313 and include items such as chemicals, paint, thinners, cleaning fluids, alcohol, epoxy, flammable solvents, or asbestos.

(b) The contractor shall have an active Hazard Communication Program in place for all contractor employees per 29 C.F.R. 1910.1200. Before delivery of any hazardous materials onto Government property, the Contractor shall provide the both the Contracting Officer and the Contracting Officer's Representative (COR) with an inventory and Material Safety Data Sheet (MSDS) for these materials.

Ddl-C41 TERMINATION OF EMPLOYEES WITH NSWCD BASE ACCESS

The contractor shall insure that all employees who have a NSWCD badge and/or bumper sticker turn-in the badge and remove the bumper sticker immediately upon termination of their employment under this contract. The above requirement shall be made a part of the standard employee facility clearance procedures for all separated personnel. The contractor shall advise NSWCD Physical Security of all changes in their contract personnel requiring NSWCD base access.

For involuntarily separated personnel and those separated under adverse circumstances, the contractor shall notify NSWCD Physical Security in advance of the date, time and location

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where the NSWCDD representative may physically remove the employee's automobile bumper sticker and retrieve the NSWCDD badge prior to the employee departing the contractor's facility. In the event the employee is separated in his or her absence, the contractor shall immediately notify NSWCDD Physical Security of the separation and make arrangements between the former employee and NSWCDD Physical Security for the return of the badge and removal of the sticker.

HQ C-2-0002 ACCESS TO PROPRIETARY DATA OR COMPUTER SOFTWARE
(NAVSEA) (JUN 1994)

(a) Performance under this contract may require that the Contractor have access to technical data, computer software, or other sensitive data of another party who asserts that such data or software is proprietary. If access to such data or software is required or to be provided, the Contractor shall enter into a written agreement with such party prior to gaining access to such data or software. The agreement shall address, at a minimum, (1) access to, and use of, the proprietary data or software exclusively for the purposes of performance of the work required by this contract, and (2) safeguards to protect such data or software from unauthorized use or disclosure for so long as the data or software remains proprietary. In addition, the agreement shall not impose any limitation upon the Government or its employees with respect to such data or software. A copy of the executed agreement shall be provided to the Contracting Officer. The Government may unilaterally modify the contract to list those third parties with which the Contractor has agreement(s).

(b) The Contractor agrees to: (1) indoctrinate its personnel who will have access to the data or software as to the restrictions under which access is granted; (2) not disclose the data or software to another party or other Contractor personnel except as authorized by the Contracting Officer; (3) not engage in any other action, venture, or employment wherein this information will be used, other than under this contract, in any manner inconsistent with the spirit and intent of this requirement; (4) not disclose the data or software to any other party, including, but not limited to, joint venturer, affiliate, successor, or assign of the Contractor; and (5) reproduce the restrictive stamp, marking, or legend on each use of the data or software whether in whole or in part.

(c) The restrictions on use and disclosure of the data and software described above also apply to such information received from the Government through any means to which the Contractor has access in the performance of this contract that contains proprietary or other restrictive markings.

(d) The Contractor agrees that it will promptly notify the Contracting Officer of any attempt by an individual, company, or Government representative not directly involved in the effort to be performed under this contract to gain access to such proprietary information. Such notification shall include the name and organization of the individual, company, or Government representative seeking access to such information.

(e) The Contractor shall include this requirement in subcontracts of any tier which involve access to information covered by paragraph (a), substituting "subcontractor" for "Contractor" where appropriate.

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(f) Compliance with this requirement is a material requirement of this contract.

**HQ C-2-0011 COMPUTER SOFTWARE AND/OR COMPUTER DATABASE(S)
DELIVERED TO AND/OR RECEIVED FROM THE GOVERNMENT (NAVSEA) (APR
2004)**

(a) The Contractor agrees to test for viruses all computer software and/or computer databases, as defined in the clause entitled "RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION" (DFARS 252.227-7014), before delivery of that computer software or computer database in whatever media and on whatever system the software is delivered. The Contractor warrants that any such computer software and/or computer database will be free of viruses when delivered.

(b) The Contractor agrees to test any computer software and/or computer database(s) received from the Government for viruses prior to use under this contract.

(c) Unless otherwise agreed in writing, any license agreement governing the use of any computer software to be delivered as a result of this contract must be paid-up and perpetual, or so nearly perpetual as to allow the use of the computer software or computer data base with the equipment for which it is obtained, or any replacement equipment, for so long as such equipment is used. Otherwise the computer software or computer database does not meet the minimum functional requirements of this contract. In the event that there is any routine to disable the computer software or computer database after the software is developed for or delivered to the Government, that routine shall not disable the computer software or computer database until at least twenty-five calendar years after the delivery date of the affected computer software or computer database to the Government.

(d) No copy protection devices or systems shall be used in any computer software or computer database delivered under this contract to restrict or limit the Government from making copies. This does not prohibit license agreements from specifying the maximum amount of copies that can be made.

HQ C-2-0037 ORGANIZATIONAL CONFLICT OF INTEREST (NAVSEA) (JUL 2000)

(a) "Organizational Conflict of Interest" means that because of other activities or relationships with other persons, a person is unable or potentially unable to render impartial assistance or advice to the Government, or the person's objectivity in performing the order work is or might be otherwise impaired, or a person has an unfair competitive advantage. "Person" as used herein includes Corporations, Partnerships, Joint Ventures, and other business enterprises.

(b) The Contractor warrants that to the best of its knowledge and belief, and except as otherwise set forth in the order, the Contractor does not have any organizational conflict of interest(s) as defined in paragraph (a).

(c) It is recognized that the effort to be performed by the Contractor under this order may create a potential organizational conflict of interest on the instant order or on a future acquisition. In order to

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avoid this potential conflict of interest, and at the same time to avoid prejudicing the best interest of the Government, the right of the Contractor to participate in future procurement of equipment and/or services that are the subject of any work under this order shall be limited as described below in accordance with the requirements of FAR 9.5.

(d) (1) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information provided to the Contractor by the Government during or as a result of performance of this order. Such information includes, but is not limited to, information submitted to the Government on a confidential basis by other persons. Further, the prohibition against release of Government provided information extends to cover such information whether or not in its original form, e.g., where the information has been included in Contractor generated work or where it is discernible from materials incorporating or based upon such information. This prohibition shall not expire after a given period of time.

(2) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information generated or derived during or as a result of performance of this order. This prohibition shall expire after a period of three years after completion of performance of this order.

(3) The prohibitions contained in subparagraphs (d)(1) and (d)(2) shall apply with equal force to any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may merge or affiliate, or any successor or assign of the Contractor. The terms of paragraph (f) of this Special Contract Requirement relating to notification shall apply to any release of information in contravention of this paragraph (d).

(e) The Contractor further agrees that, during the performance of this order and for a period of three years after completion of performance of this order, the Contractor, any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may subsequently merge or affiliate, or any other successor or assign of the Contractor, shall not furnish to the United States Government, either as a prime contractor or as a subcontractor, or as a consultant to a prime contractor or subcontractor, any system, component or services which is the subject of the work to be performed under this order. This exclusion does not apply to any recompetition for those systems, components, or services furnished pursuant to this order.

As provided in FAR 9.505-2, if the Government procures the system, component, or services on the basis of work statements growing out of the effort performed under this order, from a source other than the contractor, subcontractor, affiliate, or assign of either, during the course of performance of this order or before the three year period following completion of this order has lapsed, the Contractor may, with the authorization of the cognizant Contracting Officer, participate in a subsequent procurement for the same system, component, or service. In other words, the Contractor may be authorized to compete for procurement(s) for systems, components, or services subsequent to an intervening procurement.

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- (f) The Contractor agrees that, if after award, it discovers an actual or potential organizational conflict of interest, it shall make immediate and full disclosure in writing to the Contracting Officer. The notification shall include a description of the actual or potential organizational conflict of interest, a description of the action, which the Contractor has taken or proposes to take to avoid, mitigate, or neutralize the conflict, and any other relevant information that would assist the Contracting Officer in making a determination on this matter. Notwithstanding this notification, the Government may terminate the order for the convenience of the Government if determined to be in the best interest of the Government.
- (g) Notwithstanding paragraph (f) above, if the Contractor was aware, or should have been aware, of an organizational conflict of interest prior to the award of this order or becomes, or should become, aware of an organizational conflict of interest after award of this order and does not make an immediate and full disclosure in writing to the Contracting Officer, the Government may terminate this order for default.
- (h) If the Contractor takes any action prohibited by this requirement or fails to take action required by this requirement, the Government may terminate this order for default.
- (i) The Contracting Officer's decision as to the existence or nonexistence of an actual or potential organizational conflict of interest shall be final.
- (j) Nothing in this requirement is intended to prohibit or preclude the Contractor from marketing or selling to the United States Government its product lines in existence on the effective date of this order; nor, shall this requirement preclude the Contractor from participating in any research and development or delivering any design development model or prototype of any such equipment. Additionally, sale of catalog or standard commercial items are exempt from this requirement.
- (k) The Contractor shall promptly notify the Contracting Officer, in writing, if it has been tasked to evaluate or advise the Government concerning its own products or activities or those of a competitor in order to ensure proper safeguards exist to guarantee objectivity and to protect the Government's interest.
- (l) The Contractor shall include this requirement in subcontracts of any tier which involve access to information or situations/conditions covered by the preceding paragraphs, substituting "subcontractor" for "contractor" where appropriate.
- (m) The rights and remedies described herein shall not be exclusive and are in addition to other rights and remedies provided by law or elsewhere included in this order.
- (n) Compliance with this requirement is a material requirement of this order.

Ddl-G12 POST AWARD MEETING

- (a) A Post Award Meeting with the successful offeror will be conducted within 15 working days after award of the contract. The meeting will be held at (TBD after award).

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(b) The contractor will be given at least five working days notice prior to the date of the meeting by the Contracting Officer.

(c) The requirement for a Post Award meeting shall, in no event, constitute grounds for excusable delay by the Contractor in performance of any provisions of the Task Order.

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SECTION D PACKAGING AND MARKING

Delivery shall be in accordance with the provisions of the basic contract. Some deliveries may contain classified information.

HQ D-1-0001 DATA PACKAGING LANGUAGE

Data to be delivered by Integrated Digital Environment (IDE) or other electronic media shall be as specified in the contract.

All unclassified data to be shipped shall be prepared for shipment in accordance with best commercial practice.

Classified reports, data, and documentation shall be prepared for shipment in accordance with National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22-M dated 28 February 2006.

HQ D-2-0008 MARKING OF REPORTS (NAVSEA) (SEP 1990)

All reports delivered by the Contractor to the Government under this contract shall prominently show on the cover of the report:

- (1) name and business address of the Contractor
- (2) contract number
- (3) contract dollar amount
- (4) whether the contract was competitively or non-competitively awarded
- (5) sponsor: See DD 1423s

(Name of Individual Sponsor)

(Name of Requiring Activity)

(City and State)

All Deliverables shall be packaged and marked IAW Best Commercial Practice.

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SECTION E INSPECTION AND ACCEPTANCE

Inspection and Acceptance shall be performed at NSWCDD, Dahlgren, VA by the Contracting Officer Representative (COR) designated herein.

PERFORMANCE BASED CRITERIA:

QUALITY ASSURANCE SURVEILLANCE PLAN (QASP)

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1. PURPOSE

(a) This Quality Assurance Surveillance Plan (QASP) is a Government developed and applied document used to ensure that systematic quality assurance methods are used in the administration of this performance based order. The intent is to ensure that the Contractor performs in accordance with the performance objectives and the Government receives the quality of services called for in the order.

(b) This Task Order provides technical and programmatic support for NSWCDD Directed Energy RDT&E. The resulting performance based order will have cost plus fixed fee Labor CLINS, and cost only Other Direct Cost (ODC) CLINS. The order will be for a base year with two one-year options. An additional surge option, labor and ODC, for each period is available. A properly executed QASP will assist the Government in achieving the overall objectives of this procurement.

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2. AUTHORITY

Authority for issuance of this QASP is provided under Contract Section E – Inspection and Acceptance, which provides for inspections and acceptance of the services and documentation called for in service contracts, to be executed by the Contracting Officer or a duly authorized representative.

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3. SCOPE

(a) The QASP is put in place to provide Government surveillance oversight of the contractor's efforts to assure that they are timely, effective and are delivering the results specified in the order.

(b) The Contractor's performance on the Task Order will be evaluated by the Government as described below. The first evaluation will cover the first six months of performance with successive evaluations being performed for each twelve-month period thereafter until the contractor completes performance under this task order. For the first six month period and each subsequent twelve-month period, the Government will evaluate the contractor's performance. The evaluation will encompass all work performed by the contractor at any time during the six/twelve-month period but will not include cumulative information from prior reports. For each period, the Contractor will complete a self-assessment of the performance provided, to be delivered to the COR and Contract Specialist NLT 60 days following the period being evaluated. The self-assessment shall cover all areas of the Government QASP. Based on the evaluation results, the Contracting Officer will assign an overall performance rating. If the Contracting Officer assigns an "Unsatisfactory" overall performance rating for the period evaluated, the next option period will not be exercised. As options are exercised, improved performance is required as demonstrated in Table 2.

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4. GOVERNMENT RESOURCES AND RESPONSIBILITIES

(a) Contracting Officer

(1) A person duly appointed with the authority to enter into (Procuring Contracting Officer (PCO)) or administer (Administrative Contracting Officer (ACO)) contracts and make related determination and findings on behalf of the Government. The PCO for this Task Order is identified in section G, Ddl-G10 Government Contract Administration Points-of-Contact and Responsibilities. The ACO will be designated in the resulting order. Contracting Officers are designated via a written warrant, which sets forth limitations of their respective authority.

(2) The Contracting Officer ensures performance of all necessary actions for effective contract administration, ensures compliance with the terms of the contract and safeguards the interests of the United States in the contractual relationship. It is the Contracting Officer that assures the Contractor receives impartial, fair and equitable treatment under the Order. The Contracting Officer is ultimately responsible for the final determination of the acceptability of the Contractor's performance.

(b) Contract Specialist

(1) Assigned by the PCO to provide daily administration of the Task Order.

(2) Provides input to the PCO and the COR as to the quality of performance for areas addressed in this QASP.

(c) Contracting Officers Representative (COR)

(1) An individual appointed in writing by the PCO to act as their authorized representative to assist in technical administration of the Order. The COR is appointed in the Task Order award. The limitations of authority are contained in a written letter of appointment which is a formal attachment to the Order.

(2) The COR is responsible for technical administration of the Task Order and assures proper Government surveillance of the contractor's technical performance. The COR provides QASP reports to the PCO.

(3) The COR is not empowered to make any contractual commitments or to authorize any

changes on the Government's behalf. Any changes that the contractor deems may affect contract price, terms, or conditions shall be referred to the Contracting Officer for action.

(d) Technical Point of Contact (TPOC) /Technical Assistant (TA) / Functional Area Lead

(1) Subject Matter Experts who may be assigned by the COR to perform limited technical oversight of specific projects, work areas, or Technical Instructions issued under the contract with approval of the Contracting Officer.

(2) The TPOC/TA/Functional Area Lead provides input to the COR as to the quality of technical performance for their respective area(s) of expertise.

(3) A Government TPOC/TA/Functional Area Lead cannot, in any manner, alter the scope of the contract,

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make commitments or authorize any changes on the Government's behalf.

5. METHOD OF QA SURVEILLANCE

(a) The methods of surveillance used in the administration of this QASP are identified in Tables 1 thru 3. The Government will conduct surveillance of contractor performance utilizing the evaluation and measurement criteria in the QASP, supplemented with additional information listed below, to determine whether the contractor is effectively complying with all the terms and conditions of the Task Order. The assessed performance level using this QASP will be a determining factor in the PCO's decision to exercise an option or not.

(b) Contractor Performance Assessment Report System (CPARS) – The market place for information technology, engineering, and management support services is very competitive. As such, the successful offeror has a vested interest in the Government generated CPARS under this Task Order. Additionally, an evaluation using the CPARS format will be performed at the end of each year of performance. The Government for this procurement will address the quality of product or service, schedule, cost control, business relations, management, and other important areas. As this information may affect future source selections throughout DOD, the annual Government assessment will be used appropriately as an additional performance oversight and communication tool with the QASP.

6. DOCUMENTATION

In addition to providing annual reports to the Contracting Officer, the COR will maintain a complete Quality Assurance file. The file will contain copies of all reports, evaluations, recommendations, and any actions related to the Government's performance of the quality assurance function. All such records will be maintained for the life of the order. The COR shall forward these records to the Contracting Officer at termination or upon completion of the order.

7. SURVEILLANCE

The tables below set forth the performance ratings, standards, outcomes and surveillance methods to document the results of the surveillance on an annual basis as well as interim and informal reviews (i.e. In Progress Reviews (IPRs)) on a more frequent basis.

(a) Performance Ratings: The Government will evaluate the contractor's performance of the Performance Work Statement (PWS) and the Contracting Officer will assign one of the following ratings:

(1) Excellent

(2) Satisfactory

(3) Unsatisfactory

The standards associated with these ratings are given in the following Table 1.

TABLE 1: OVERALL PERFORMANCE RATINGS

Overall Performance Rating	Standard
Excellent	"Excellent" ratings for all performance evaluation criteria in Tables 3, 5, and 6.

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Satisfactory	A minimum of “Satisfactory” ratings for all performance criteria in Tables 3, 5, and 6.
Unsatisfactory	A rating of “Unsatisfactory” for one or more performance evaluation criteria in Tables 3, 5, and 6.

(b) Objectives/Determination:

1. Interim/Informal

Interim/informal performance evaluations will be provided to assess performance at each IPR.

2. Annual

The Contracting Officer will make a performance determination at the end of each evaluation period. The determination will be based upon the COR’s recommendations, the contractor’s comments including any Self-Evaluation Report, and any other information deemed relevant by the Contracting Officer. The Contracting Officer will resolve disagreements between the COR’s recommendations and the Contractor’s comments/report regarding the evaluation. The Contracting Officer’s performance determination is unilateral and final. The Contracting Officer will document the determination and provide a copy to the Contractor within 30 days of receipt of the contractor’s self assessment.

TABLE 2: OBJECTIVES

Assessment Period	Acceptable Performance Definition	How Measured	Outcome
Base :	All measurement areas rated at least “Satisfacto” based on roll up of Tables 3, 5, and 6.	After the first six months using the QASP evaluation ratings; annually using the CPARS system covering the previous 12 months.	(+) Meet the acceptable performance definition as a condition for exercise of Option 1.* (-) Does not meet the acceptable performance definition as a condition for exercise of Option 1.*
Year I:	All measurement areas rated at least “Satisfactory” based on roll up of Tables 3, 5, and 6.	Annually using the QASP evaluation factors covering the previous 12 months; annually using the CPARS system covering the option POP.	(+) Meet the acceptable performance definition as a condition for exercise of Option 2.* (-) Does not meet the acceptable performance definition as a condition for exercise of Option 2.*
Year II:	All measurement areas rated at least “Satisfactory”. Two or more measurements rated as “Excellent” based on roll	Annually using the QASP evaluation factors covering the previous 12 months; annually using the	Final CPARS ratings.

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up of Tables 3, 5, and 6. CPARS system covering the option POP.

* The Government will not exercise the next option year unless the contractor meets the acceptable performance definition.

(c) Performance Evaluation Criteria. The Contractor's performance will be evaluated using the criteria and standards provided for each objective, and identified in Tables 3, 5, and 6 of this contract clause. Based on this evaluation, each assessment period will be given an overall rating resulting from the rolled up objective. Each of the criteria in Tables 3, 5, and 6 must score a minimum of "Satisfactory" to receive an overall performance rating of "Satisfactory" in each assessment period. Additional ratings of "Excellent" are required in the last option year as shown in the table above.

(d) Organization: This performance evaluation organization consists of the Contracting Officer, who will serve as the Determining Official, and the COR. In some instances, a TA will be assigned to the contract or Task Order in addition to a COR.

(e) This performance evaluation does not replace any other requirement for evaluating contractor performance that may be required by the Task Order such as a Contractor Performance Assessment Reporting System (CPARS) report, or a Task Order Performance Evaluation (TOPE) report.

TABLE 3: TASK PERFORMANCE EVALUATION CRITERIA AND STANDARDS

CRITERIA	UNSATISFACTORY	SATISFACTORY	EXCELLENT
Task Performance	Work product fails to meet Acceptable Quality Levels (AQLs) defined in Performance Requirements Summary Table 4.	Work product routinely meets Acceptable Quality Levels (AQLs) defined in Performance Requirements Summary Table 4.	Work product frequently exceeds Acceptable Quality Levels (AQLs) defined in Performance Requirements Summary Table 4.
Staffing	Contractor provides marginally qualified or unqualified personnel. Lapses in coverage occur regularly.	Contractor provides qualified personnel. Lapses in coverage may occasionally occur and are managed per Task Order policy.	Contractor provides highly qualified personnel. Contractor reassigns personnel to ensure proper coverage. Actual lapses in coverage occur very rarely, if ever, and are managed per Task Order policy. Contractor ensures staff training remains current.
Timeliness	Contractor frequently misses deadlines, schedules, or is slow to respond to Government requests or is	Contractor routinely meets deadlines, schedules, and responds quickly to Government	Contractor consistently meets deadlines, schedules, and responds immediately to

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	non-responsive to Government requests.	requests.	Government requests.
Customer Satisfaction	Fails to meet customer expectations	Meets customer expectations	Exceeds customer expectations.

TECHNICAL PERFORMANCE

TABLE 4: PERFORMANCE REQUIREMENTS SUMMARY TABLE

Work Area/SOW Reference	Performance Objective	Performance Standard	Acceptable Quality Level (AQL)	QASP Surveillance Plan Typical Monitoring Method
Work Area 1: Directed Energy Research and Development				
C.2.1.1	Conduct fundamental research and experimentation for Directed Energy systems.	Research and experimentation products are technically relevant and accurate. Products and revisions are delivered per schedule.	Requirements assessment, technical analysis and proof of concept experimentation products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.1.2	Conduct feasibility and assessment studies for emergent Directed Energy technologies. Evaluate performance of Directed Energy systems.	Studies, evaluation and performance products are technically relevant and accurate. Products and revisions are delivered per schedule.	Studies, evaluation and performance products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.1.3	Coordinate development of TTPs including course curriculum for selected technologies and deployable DE systems.	TTPs and course curriculum are technically relevant and accurate. Products and revisions are delivered per schedule.	TTPs and course curriculum are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.1.4	Survey available technical data and determine future	Survey and threat products are technically relevant and accurate.	Survey and threat products are approved by the Government.	Government oversight of review

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	Directed Energy threats.	Products and revisions are delivered per schedule.	95% are completed by the due date.	process, and providing approval of final products.
C.2.1.5	Determine capability and vulnerability of existing Directed Energy weapons.	Capability/vulnerability products are technically relevant and accurate. Products and revisions are delivered per schedule.	Capability/vulnerability products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.1.6	Investigate vulnerability of commercial and military systems to Directed Energy. Determine effectiveness of countermeasure systems.	Vulnerability and effectiveness products are technically relevant and accurate. Products and revisions are delivered per schedule.	Investigation and effectiveness products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.

Work Area 2: Directed Energy Systems Engineering

C.2.2.1	Conduct systems engineering of Directed Energy technology areas. Demonstrate functionality of technology areas including conceptual and prototype designs.	System engineering products are technically relevant and accurate. Any prototype designs are properly documented. Products and revisions are delivered per schedule.	System engineering products and prototype designs are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.2.2	Provide systems analysis for alternate designs or improvements for existing Directed Energy systems. Conduct parametric and sensitivity performance studies.	Alternate design analyses are properly documented with drawings and specifications, as required. Parametric and sensitivity products are technically relevant	Alternate design analyses, parametric and sensitivity products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.

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		and accurate. Products and revisions are delivered per schedule.		
C.2.2.3	Propose operational requirements, system design issues, system hardening requirements and interface requirements for transitioning prototype Directed Energy systems to the engineering development phase.	Operational, interface, system hardening and design products are properly documented with drawings and specifications, as required and are technically relevant and accurate. Products and revisions are delivered per schedule.	Operational, interface and system hardening requirements and shipboard design issues products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.

Work Area 3: Technology Assessments

C.2.3.1	Conduct technology, vulnerability and countermeasures assessments for potential or existing Directed Energy technologies or weapons. Conduct analysis of prototypes and EDM for specific Directed Energy technology programs.	Technology, vulnerability and countermeasure assessments products are technically relevant and accurate. Prototype and EDMs are properly documented with drawings and specifications, as required. Products and revisions are delivered per schedule.	Technology, vulnerability and countermeasure assessments products, and prototypes/EDMs documents are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.3.2	Assess vulnerability of military and civilian operations, equipment and facilities against Directed Energy threats. Investigate	Vulnerability assessments and possible counter measures products are technically relevant and accurate. Products and revisions are	Vulnerability and counter measure assessments products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.

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	methods to counter these threats.	delivered per schedule.		
C.2.3.3	Provide assessments of foreign and domestic activities against Directed Energy attack. Investigate what technologies can counter these weapons.	Technical assessments, technologies available to counter Directed Energy attack reports and products are technically relevant and accurate. Products and revisions are delivered per schedule.	Technical assessments, reports of available technologies to counter Directed Energy attack are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.

Work Area 4: Modeling, Simulation and Analysis

C.2.4.1	Develop simulations and models for design, optimization and operation of Directed Energy systems. Validate the accuracy of simulations and models developed.	Maintain accurate and up to date simulation and model program code and specifications and operations manuals. Simulations and models, both original and upgrades, delivered per schedule	Simulations, models and operating manuals are approved by the Government. 95% completed by the due date.	Government oversight of review process, random sampling and providing approval of final products.
C.2.4.2	Utilize simulations and models to evaluate Directed Energy systems and countermeasures.	Threat assessment, operational environment analysis, system performance requirements, system specifications, and interface and integration requirements products are technically relevant and accurate. Products and revisions are delivered per	Threat assessment, operational environment analysis, system performance requirements, system specifications, and interface and integration requirements products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.

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		schedule.		
C.2.4.3	Perform mathematical and statistical analysis of test data and electromagnetic effects on target electronics	Analysis products are technically relevant and accurate. Products and revisions are delivered per schedule.	Analysis products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.4.4	Design, develop, update and maintain databases associated with target effects, test results, equipment, experimental tests and facilities.	Master databases are backed up weekly. Databases are 99% accurate and are delivered per schedule.	Databases are approved by the Government. 95% are completed by the due date.	Government oversight of review process, random sampling and providing approval of final products.

Work Area 5: Prototype Development/Evaluation

C.2.5.1	Design, develop, analyze and operate prototypes, scale models, mock-ups and test model of Directed Energy systems/components.	Designs, analyses, prototype system specifications and drawings, interface parameters, integration requirements and environmental impact products are technically relevant and accurate. Products and revisions are delivered per schedule.	Designs, analyses, prototype system specifications and drawings, interface parameters, integration/interface requirements and environmental impact products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.5.2	Support Government design, development, analysis, fabrication and operation of prototypes, scale models, mock-ups and test models for representative target systems.	Design, development, analysis, fabrication and operations products are technically relevant and accurate. Products and revisions are delivered per schedule.	Design, development, analysis, fabrication and operations products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.

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C.2.5.3	Fabricate certain Directed Energy and target prototypes.	Drawings, specifications and material lists are accurate. Any Acquisitions will be documented to include item description, quantity, purpose, vendor, unit price, extended price and disposition.	Drawings, specifications and material lists are approved by the Government. 95% are completed by the due date.	Government oversight of review process, random sampling and providing approval of final products.
C.2.5.4	Evaluate prototype performance, and system/subsystem components. Design, develop and fabricate any specialized devices, instruments or systems needed for the evaluation.	Evaluation products will be technically relevant and accurate. Specialized systems/devices will be documented with drawings, specifications and user manuals, as required.	Evaluation products and specialized systems/devices are approved by the Government. 95% are completed by the due date.	Government oversight of review process, random sampling and providing approval of final products.
C.2.5.5	Provide technical drawings and specifications for prototype designs. Update existing prototype documentation.	Prototype drawings and specifications are relevant and accurate. Updated prototype design documentation is accurate and all documentation is under configuration control.	Prototype design products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, random sampling and providing approval of final products.
C.2.5.6	Develop advanced multi-channel high speed data acquisition systems and high speed data diagnostic systems.	High speed data acquisition and diagnostic systems are documented with specifications, drawings, user manuals and are under configuration control.	High speed data acquisition and diagnostic systems are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
Work Area 6: Systems Test and Evaluation/Test Facility Operations/Deployment Preparations				
C.2.6.1	Conduct testing on scale models, mock-ups,	Test designs and specifications are	Test designs and specifications and	Government oversight of

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	prototypes and components for Directed Energy systems. Develop test design and specifications for static and dynamic tests under various conditions.	documented and accurate. Test data is collected, analyzed and documented and delivered per schedule.	test analysis reports are approved by the Government. 95% are completed by the due date.	review process, random sampling and providing approval of final products.
C.2.6.2	Develop, assemble, monitor, test and maintain operation of common infrastructure systems used for testing	Infrastructure systems will be accurately documented with drawings and specifications. Operational manuals will be developed and maintained	Infrastructure systems are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.6.3	Calibrate and operate specialized systems during testing. This includes RF diagnostic systems.	Calibration logs will be kept and maintained. Specialized and diagnostic systems will be documented with drawings and specifications, as required. Operational manuals will be developed and maintained.	Specialized and diagnostic systems and associated documentation will be approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.6.4	Design, acquire and fabricate hardware/systems needed for system tests. Acquire, fabricate and machine parts or equipment for bench and field tests.	Fabricated systems are documented with drawings, specifications, parts lists. Fabricated systems will be maintained and put under configuration control.	Fabricated systems and associated documentation are approved by the Government. 95% are completed by the due date.	Government oversight of review process, random sampling and providing approval of final products.
C.2.6.5	Disassemble and pack Directed Energy system prototypes/components for shipment to CONUS locations.	Equipment is disassembled and packed with no damage. Bill of lading will be filled	Equipment disassembly and packing is approved by the Government. 100% is completed	Government oversight of process and condition of system at

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		out and maintained.	by the due date.	destination.
C.2.6.6	Provide off-site test support (CONUS)	Test support is documented.	Presence at test site per schedule.	Government direct observation.
C.2.6.7	Develop specifications and implementation of security procedures for test facilities. Security level could be TS.	Specifications and implemented security procedures are accurate and completed per schedule.	Specifications and security procures are approved by the Government. 95% are completed by the due date.	Government oversight of review process and direct observation.
Work Area 7: Program Management/Administration				
C.2.7.1	Provide program plans and schedules, implementation plans, point papers, status reports, operator/user manuals, drawings/diagrams and specifications.	Program plans, implementation plans, papers, reports, manuals and other data are technically relevant and accurate. Products delivered per schedule.	Program products are approved by the Government. 95% are completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.7.2	Provide technical support in planning and execution of Directed Energy meetings/workshops and conferences. Prepare briefing materials, papers, record minutes/action items. Implement security procedures.	Meeting/workshop and conference actions and documentation are technically relevant and accurate. Products delivered per schedule.	Meeting, workshop and conference actions and documentation are approved by Government. 100% completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.7.3	Provide technical editing and documentation support for technical publication preparation.	Technical editing and documentation is accurate. Technical publications are prepared utilizing Navy instructions for format. Products are delivered per schedule.	Edited documents and prepared technical publications are approved by the Government. 100% completed by the due date.	Government oversight of review process, and providing approval of final products.
C.2.7.4	Log, label, track and dispose of classified materials resulting from this Task Order.	Classified data labeling, tracking and disposition utilizes Navy	Classified material handling is approved by Government. 100% completed by	Government oversight of review process, and

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		security regulations and instructions	the due date.	providing final products approval.
C.4	The contractor shall submit a bi-weekly progress and status report, in accordance with the attached DD Form 1423, CDRL A001. The report shall reflect both prime and subcontractor data.	Report accurate, easy to read, and is IAW Government requirements	Report delivered complete and on time 95% of the time.	Government oversight of review process, and providing final products approval.

MANAGEMENT PERFORMANCE

TABLE 5: MANAGEMENT PERFORMANCE EVALUATION CRITERIA AND STANDARDS

CRITERION	UNSATISFACTORY	SATISFACTORY	EXCELLENT
Problem Resolution	Problems are unresolved, repetitive, or take excessive Government effort to resolve.	Problems are resolved quickly with minimal Government involvement.	Problems are non-existent or the contractor takes corrective action without Government involvement.
Responsiveness	Contractor's management is unresponsive to Government requests and concerns	Contractor's management is responsive to Government requests and concerns	Contractor's management takes proactive approach in dealing with Government representatives and anticipates Government concerns
Communications	Contractor often fails to communicate with Government in an effective and timely manner.	Contractor routinely communicates with Government in an effective and timely manner.	Contractor takes a proactive approach such that communications are almost always clear, effective and timely.

COST PERFORMANCE

TABLE 6: COST EFFICIENCY PERFORMANCE EVALUATION CRITERIA AND STANDARDS

CRITERION	UNSATISFACTORY	SATISFACTORY	EXCELLENT
Cost Management	Contractor routinely fails to complete the effort within the originally agreed to estimated cost, i.e. cost overruns frequently occur.	Contractor routinely completes the effort within the originally agreed to estimated cost. Contractor provides measures for controlling all costs at	Reductions in direct costs to the Government below contract estimated cost levels are noteworthy. Contractor provides detailed cost analysis and

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		estimated cost levels. Funds and resources are generally used in a cost-effective manner. No major resource management problems are apparent.	recommendations to Government for resolution of problems identified. Funds and resources are optimally used to provide the maximum benefit for the funds and resources available. Documented savings are apparent.
Cost Reporting	Reports are generally late, inaccurate, incomplete or unclear.	Reports are timely, accurate, complete and clearly written. Problems and/or trends are addressed, and an analysis is also submitted	Reports are clear, accurate, and pro-active. Problems and/or trends are addressed thoroughly, and the contractors recommendations and/or corrective plans are implemented and effective.
Invoicing	Invoices are generally late and/or contain errors. Differences between invoiced amounts and progress report expenditures are unexplained. Contractor does not respond to Government questions in a timely manner. Invoices did not segregate cost at the lowest level of performance. Supporting documentation was not submitted as referenced in Section (e) of Clause HQG-2-0007.	Invoices are timely (no more than three weeks after the end date of the period being invoiced); are accurate with respect to both ACRNs/SLINs invoiced; and differences between progress report expenditures and invoiced costs are explained. Contractor responds to Government questions in a timely manner. Invoices reflect the segregated cost at the lowest level of performance. Supporting documentation was submitted as referenced in Section (e) of Clause HQG-2-0007.	Invoices are timely (no more than two weeks after end date of period being invoiced) with respect to both prime and subcontractor costs; are accurate with respect to ACRNs/SLINs invoiced; and all differences between progress report expenditures and invoiced amounts are fully explained. Contractor is very pro-active in responding to Government questions and takes prompt action to resolve any issues. Invoices reflect the segregate cost at the lowest level of performance. Supporting documentation was submitted as referenced in Section (e) of Clause HQG-2-0007.

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SECTION F DELIVERABLES OR PERFORMANCE

The periods of performance for the following Items are as follows:

4000	10/28/2011 - 10/27/2012
4010	10/28/2011 - 10/27/2012
4100	10/28/2012 - 10/27/2013
4110	10/28/2012 - 10/27/2013
4200	8/6/2013 - 8/5/2014
6000	10/28/2011 - 10/27/2012
6010	10/28/2011 - 10/27/2012
6100	10/28/2012 - 10/27/2013
6110	10/28/2012 - 10/27/2013
6200	8/6/2013 - 8/5/2014

CLIN - DELIVERIES OR PERFORMANCE

The periods of performance for the following Items are as follows:

4000	10/28/2011 - 10/27/2012
4010	10/28/2011 - 10/27/2012
4100	10/28/2012 - 10/27/2013
4110	10/28/2012 - 10/27/2013
4200	8/6/2013 - 8/5/2014
6000	10/28/2011 - 10/27/2012
6010	10/28/2011 - 10/27/2012
6100	10/28/2012 - 10/27/2013
6110	10/28/2012 - 10/27/2013
6200	8/6/2013 - 8/5/2014

The periods of performance for the following Option Items are as follows:

4210	10/28/2012 - 10/27/2013
6210	10/28/2013 - 10/27/2014

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SECTION G CONTRACT ADMINISTRATION DATA

ACCOUNTING DATA

The award document will include Accounting Data at the end of Section G. All lines of accounting are listed sequentially under a heading that identifies the particular action (award or modification number) under which the funding was obligated. Under SeaPort-e, all funding is identified/obligated at the SubCLIN (SLIN) level. SLINs are established sequentially by the SeaPort-e software. Each obligation of funds receives a unique SLIN identifier, even if the funds are an increase to an existing line of accounting (ACRN). Thus, an individual project/work area or Technical Instruction that is funded incrementally, could have one ACRN but multiple SLINs. Accounting for expenditures and invoicing at the SLIN level is required.

Ddl-G1 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS

- (a) This requirement includes support for multiple programs with independent budgets and funding lines. These funding lines are NOT interchangeable and it is critical that the Paying Office pay in accordance with the ACRNs and SLINs noted on the contractor's invoices. To do otherwise could result in a misappropriation of funds.
- (b) The Payment Office shall ensure that each payment under this contract is made in accordance with the specific accounting classification reference numbers (ACRN) and SubLine (SLIN) numbers shown on each individual invoice, including attached data.

Ddl-G10 GOVERNMENT CONTRACT ADMINISTRATION POINTS-OF-CONTACT AND RESPONSIBILITIES

Procuring Contracting Officer (PCO):

- (a) Name: Larry D. Gillman
Code: CS13
Address: Naval Surface Warfare Center, Dahlgren Division
17632 Dahlgren Road, Suite 157
Dahlgren, Virginia 22448-5100
Phone: (540) 653-4448
Fax: (540) 653-6810
E-mail: larry.gillman@navy.mil

- (b) PCO responsibilities are outlined in FAR 1.602-2. The PCO is the only person authorized to approve changes in any of the requirements of this Task Order, notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the PCO's. The contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer or is pursuant to specific authority otherwise

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included as part of this contract. In the event the contractor effects any change at the direction of any person other than the PCO, the change will be considered to be unauthorized.

Contract Specialist:

(a) Name: Felicidad Morgan
Code: CS13
Address: Naval Surface Warfare Center, Dahlgren Division
7632 Dahlgren Road, Suite 157
Dahlgren, Virginia 22448-5100
Phone: (540) 653-7808
Fax: (540) 653-6810
E-mail: felicidad.morgan1@navy.mil

(b) The Contract Specialist is the representative of the Contracting Officer for all contractual matters.

Administrative Contracting Officer (ACO)

(a) Name: Beverly H. Bolden
Code: S2404A
Address: DCMA MANASSAS
10500 Battleview Parkway, Suite 200
Manassas, VA 20109-2342
Phone: (703) 530-3266
FAX: (703) 530-3607
E-mail: Beverly.Bolden@dcma.mil

(b) The Administrative Contracting Officer (ACO) of the cognizant Defense Contract Management Agency (DCMA) is designated as the authorized representative of the Contracting Officer for purposes of administering this Task Order in accordance with FAR 42.3. However, in view of the technical nature of the supplies and services to be furnished, technical cognizance is retained by the Naval Surface Warfare Center, Dahlgren Division.

Contracting Officers Representative (COR):

(a) Name: Arline W. Parker
Code: Q20
Address: Naval Surface Warfare Center, Dahlgren Division
Electromagnetic & Sensor Systems Department
18444 Frontage Road, Suite 324
Dahlgren, VA 22448-5116
Phone: 540-284-0374
Fax: 540-653-4322
E-mail: arline.parker@navy.mil

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(b) The COR is the PCO's appointed representative for technical matters. The COR is not a contracting officer and does not have the authority to direct the accomplishment of effort which is beyond the scope of the Task Order or to otherwise change any Task Order requirements. A copy of the COR appointment letter which provides a delineation of COR authority and responsibilities is provided as an attachment to this Task Order.

HQ G-2-0007 INVOICE INSTRUCTIONS (NAVSEA) (APR 2011)

(a) In accordance with the clause of this contract entitled "ELECTRONIC SUBMISSION OF PAYMENT REQUESTS" (DFARS 252.232-7003), the Naval Sea Systems Command (NAVSEA) will utilize the DoD Wide Area Workflow Receipt and Acceptance (WAWF) system to accept supplies/services delivered under this contract. This web-based system located at <https://wawf.eb.mil> provides the technology for government contractors and authorized Department of Defense (DoD) personnel to generate, capture and process receipt and payment-related documentation in a paperless environment. Invoices for supplies/services rendered under this contract shall be submitted electronically through WAWF. Submission of hard copy DD250/invoices may no longer be accepted for payment.

((b) It is recommended that the person in your company designated as the Central Contractor Registration (CCR) Electronic Business (EB) Point of Contact and anyone responsible for the submission of invoices, use the online training system for WAWF at <http://wawftraining.com>. The Vendor, Group Administrator (GAM), and sections marked with an asterisk in the training system should be reviewed. Vendor documentation is available under Resources at <http://wawftraining.com>.

(c) The designated CCR EB point of contact is responsible for activating the company's CAGE code on WAWF by calling 1-866-618-5988. Once the company is activated, the CCR EB point of contact will self-register under the company's CAGE code on WAWF and follow the instructions for a group administrator. After the company is set-up on WAWF, any additional persons responsible for submitting invoices must self-register under the company's CAGE code at <https://wawf.eb.mil>.

(d) The contractor shall use the following document types, DODAAC codes and inspection and acceptance locations when submitting invoices in WAWF:

	Invoice (FFP Supply & Service)
	Invoice and Receiving Report Combo (FFP Supply)
	Invoice as 2-in-1 (FFP Service Only)
X	Cost Voucher (Cost Reimbursable, T&M , LH, or FPI)
	Receiving Report (FFP, DD250 Only)

DODAAC Codes and Inspection and Acceptance Locations (*contracting officer complete*)

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appropriate information as applicable)

Issue DODAAC	N00178
Admin DODAAC	S2404A
Pay Office DODAAC	HQ0338
Inspector DODAAC	N000178
Service Acceptor DODAAC	N00178
Service Approver DODAAC	N00178
Ship To DODAAC	N00178
DCAA Auditor DODAAC	HAA47F
LPO DODAAC	N/A
Inspection Location	Destination
Acceptance Location	Destination

Attachments created in any Microsoft Office product may be attached to the WAWF invoice, e.g., backup documentation, timesheets, etc. Maximum limit for size of each file is 2 megabytes. Maximum limit for size of files per invoice is 5 megabytes.

(e) The Contractor agrees to segregate costs incurred under this task order at the lowest level of performance, either task or subtask, rather than on a total task order basis, and to submit invoices reflecting costs incurred at that level. Supporting documentation in WAWF for invoices shall include summaries of work charged during the period covered as well as overall cumulative summaries by individual labor categories, rates, and hours (both straight time and overtime) invoiced; as well as a cost breakdown of ODCs (materials and travel), by line item task or subtask. Subcontractors are also required to provide labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of ODCs, materials, and travel invoiced. Supporting documentation may be encrypted before submission to the prime contractor for WAWF invoice submittal. Subcontractors may email encryption code information directly to the Contracting Officer and Contracting Officer Representative. Should the subcontractor lack encryption capability, the subcontractor may also email detailed supporting cost information directly to the Contracting Officer and Contracting Officer Representative; or other method as agreed to by the Contracting Officer.

(f) Before closing out of an invoice session in WAWF, but after submitting the document(s), you will be prompted to send additional email notifications. Click on “Send More Email Notification” and add the acceptor/receiver email addresses noted below in the first email address block, and add any other additional email addresses desired in the following blocks. This additional notification to the government is important to ensure that the acceptor/receiver is aware that the invoice documents have been submitted into WAWF.

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Send Additional Email Notification To:

(g) The contractor shall submit invoices/cost vouchers for payment per contract terms and the government shall process invoices/cost vouchers for payment per contract terms. Contractors approved by DCAA for direct billing will submit cost vouchers directly to DFAS via WAWF. Final voucher submission will be approved by the ACO.

(h) If you have any questions regarding WAWF, please contact the WAWF helpdesk at the above 1-866 number or the NAVSEA WAWF point of contact Margaret Morgan at (202) 781-4815 or margaret.morgan@navy.mil.

HQ G-2-0009 SUPPLEMENTAL INSTRUCTIONS REGARDING ELECTRONIC INVOICING (NAVSEA) (SEP 2012)

(a) The Contractor agrees to segregate costs incurred under this contract/task order (TO), as applicable, at the lowest level of performance, either at the technical instruction (TI), sub line item number (SLIN), or contract line item number (CLIN) level, rather than on a total contract/TO basis, and to submit invoices reflecting costs incurred at that level. Supporting documentation in Wide Area Workflow (WAWF) for invoices shall include summaries of work charged during the period covered as well as overall cumulative summaries by individual labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of other direct costs (ODCs), materials, and travel, by TI, SLIN, or CLIN level. For other than firm fixed price subcontractors, subcontractors are also required to provide labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of ODCs, materials, and travel invoiced. Supporting documentation may be encrypted before submission to the prime contractor for WAWF invoice submittal. Subcontractors may email encryption code information directly to the Contracting Officer (CO) and Contracting Officer Representative (COR). Should the subcontractor lack encryption capability, the subcontractor may also email detailed supporting cost information directly to the CO and COR; or other method as agreed to by the CO.

(b) Contractors submitting payment requests and receiving reports to WAWF using either Electronic Data Interchange (EDI) or Secure File Transfer Protocol (SFTP) shall separately send an email notification to the COR and CO on the same date they submit the invoice in WAWF. No payments shall be due if the contractor does not provide the COR and CO email notification as required herein.

CONSENT TO SUBCONTRACT

For subcontracts and consulting agreements for services, where the prime contractor anticipates that hours delivered will be counted against the hours in the Level of Effort clause in this section, Consent to Subcontract authority is retained by the Procuring Contracting Officer.

The following subcontractors are approved on this Task Order:

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Ddl-G40 PAYMENT, SELECTED ITEMS OF COST REIMBURSEMENT CONTRACTS

(a) Travel costs

The contractor shall, to the maximum extent practicable, minimize overall travel costs by taking advantage of discounted airfare rates available thru advance purchase. Charges associated with itinerary changes and cancelations under nonrefundable airline tickets are reimbursable as long as the changes are driven by the work requirement.

(b) Training

The Government will not allow costs, nor reimburse costs associated with the contractor for training employees in an effort to attain and/or maintain minimum personnel qualification requirements of this contract. Other training may be approved on a case-by-case basis by the Contracting Officer. Advance approval is required. Attendance at workshops or symposiums is considered training for purposes of this clause. The contractor is encouraged to suggest a cost-sharing arrangement that addresses registration/tuition, travel and labor costs.

(c) General Purpose Office Equipment (GPOE) and Information Technology (IT)

The cost of acquisition of GPOE and IT shall not be allowable as direct charges to this contract. The contractor is expected to have the necessary CONUS facilities to perform the requirements of this contract, including any necessary GPOE and IT. GPOE means equipment normally found in a business office such as desks, chairs, typewriters, calculators, file cabinets, etc. IT means any equipment or interconnected system or subsystem of equipment that is used in the automatic acquisition, storage, manipulation, movement, control, display, switching, interchange, transmission, or reception of data or information. IT includes computers, ancillary equipment, software, firmware and similar products, services (including support services), and related resources for both unclassified and classified applications.

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(d) The requirements of the above clause apply equally to subcontractors and consultants.

Ddl-G41 PAYMENT OF FIXED FEE (COST PLUS FIXED FEE)

(a) Subject to the withholding provisions of this clause, and any other adjustments required by other contract clauses, the fixed fee shall be paid in installments.

(b) The amount of each fee installment shall be billed at _____ of allowable costs. This percentage reflects the ratio of total contract fixed fee to total contract estimated cost.

(c) In accordance with FAR 52.216-8 FIXED FEE in Section I of this contract, the Contracting Officer has established a withholding of 15% of funded fixed fee, not to exceed \$100,000. The contractor's provisional payment vouchers may invoice fee at the percentage cited in paragraph (b) above, up to 85% of the funded fixed fee.

EARLY DISMISSAL AND CLOSURE OF GOVERNMENT FACILITIES

When a Government facility is closed and/or early dismissal of Federal employees is directed due to severe weather, security threat, or a facility related problem that prevents personnel from working, onsite contractor personnel regularly assigned to work at that facility should follow the same reporting and/or departure directions given to Government personnel. The contractor shall not direct charge to the contract for time off, but shall follow parent company policies regarding taking leave (administrative or other). Non-essential contractor personnel, who are not required to remain at or report to the facility, shall follow their parent company policy regarding whether they should go/stay home or report to another company facility. Subsequent to an early dismissal and during periods of inclement weather, onsite contractors should monitor radio and television announcements before departing for work to determine if the facility is closed or operating on a delayed arrival basis.

When Federal employees are excused from work due to a holiday or a special event (that is unrelated to severe weather, a security threat, or a facility related problem), on site contractors will continue working established work hours or take leave in accordance with parent company policy. Those contractors who take leave shall not direct charge the non-working hours to the task order. Contractors are responsible for predetermining and disclosing their charging practices for early dismissal, delayed openings, or closings in accordance with the FAR, applicable cost accounting standards, and company policy. Contractors shall follow their disclosed charging practices during the task order period of performance, and shall not follow any verbal directions to the contrary. The Contracting Officer will make the determination of cost allowability for time lost due to facility closure in accordance with FAR, applicable Cost Accounting Standards, and the Contractor's established accounting policy.

Accounting Data

SLINID	PR Number	Amount
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400001 Q23/12628662 2000.00
LLA :
AA 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111SVETL
TI#1

400002 Q23/12628682 108000.00
LLA :
AB 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111PREEM
TI#2

400003 Q23/12628703 60000.00
LLA :
AC 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111DTRAT
TI#3

400004 Q23/12628705 350000.00
LLA :
AD 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1EB229VC
Standard Number: MIPR # M6785411RCR1EB2 (ACRN: AA)
TI#4

400005 Q23/12628743 130000.00
LLA :
AE 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1EU829VC
Standard Number: MIPR # M6785411RCR1EU8 (ACRN: AA)
TI#5

600001 Q23/12628681 5000.00
LLA :
AA 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111SVETL
TI#1

600002 Q23/12628702 20000.00
LLA :
AB 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111PREEM
TI#2

600003 Q23/12628704 25000.00
LLA :
AC 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111DTRAT
TI#3

600004 Q23/12628742 100000.00
LLA :
AD 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1EB229VC
Standard Number: MIPR # M6785411RCR1EB2 (ACRN: AA)
TI#4

600005 Q23/12628744 100000.00
LLA :
AE 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1EU829VC
Standard Number: MIPR # M6785411RCR1EU8 (ACRN: AA)
TI#5

BASE Funding 900000.00
Cumulative Funding 900000.00

MOD 01

400006 Q07000 / 13205993 266000.00
LLA :
AD 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1EB229VC
Standard Number: MIPR # M6785411RCR1EB2 (ACRN: AA)
TI-04, Rev. 1

400007 Q07000 / 13205990 205000.00
LLA :
AF 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1DZ529VC
Standard Number: MIPR # M6785411RCR1DZ5 (ACRN: AA)
TI-05, Rev. 01

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400008 Q07000 / 13205981 16000.00
 LLA :
 AG 97X4930 NH1E 000 77777 0 000178 2F 000000 21G0611RBCK0
 TI-06

400009 Q07000 / 13205985 62000.00
 LLA :
 AH 1711319 W2DV 253 RA309 0 068342 2D 000000 00001000JN20
 Standard Number: RCP # N0001411WX21768 (ACRN: AA)
 TI-07

400010 Q07000 / 13216089 17000.00
 LLA :
 AJ 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD211SL2LA
 Standard Number: Q07000 / 13216089
 TI-08

400011 Q07000 / 13205983 21000.00
 LLA :
 AK 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD211SL1QL
 TI-08

400012 Q07000 / 13205987 5000.00
 LLA :
 AA 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111SVETL
 TI-09

600006 Q07000 / 13205994 150000.00
 LLA :
 AD 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1EB229VC
 Standard Number: MIPR # M6785411RCR1EB2
 TI-04, Rev. 01

600007 Q07000 / 13205992 7000.00
 LLA :
 AF 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1DZ529VC
 Standard Number: MIPR # M6785411RCR1DZ5 (ACRN: AA)
 TI-05, Rev. 01

600008 Q07000 / 13205986 10000.00
 LLA :
 AH 1711319 W2DV 253 RA309 0 068342 2D 000000 00001000JN20
 Standard Number: RCP # N0001411WX21768 (ACRN: AA)
 TI-07

600009 Q07000 / 13216090 3000.00
 LLA :
 AJ 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD211SL2LA
 TI-08

600010 Q07000 / 13205984 4000.00
 LLA :
 AK 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD211SL1QL
 TI-08

600011 Q07000 / 13205989 5000.00
 LLA :
 AA 97X4930 NH1E 000 77777 0 000178 2F 000000 21QD111SVETL
 TI-09

MOD 01 Funding 771000.00
 Cumulative Funding 1671000.00

MOD 02

400013 1300249739-00001 199899.00
 LLA :
 AL 2112093 211 20930 0 005U5U 04 2016A0 00255X81B3A6 JDJTMIPR2E192J7179B3A S12193
 Standard Number: MIPR2E192J7179
 TI-10

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
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400014 1300249739-00002 502101.00

LLA :

AM 2112093 211 20930 0 005U5U 04 2016A0 00251281B3A6 JDJTMIPR2B192J7053B3A 012193

Standard Number: MIPR2B192J7053

TI-10

400015 1300252842-00001 300000.00

LLA :

AN 1711319 M4MX 250 67854 067443 2D C2319A 2RCR1FS329VC

Standard Number: M6785412RCR1FS3

TI-04, Rev. 02

400016 1300252842-00002 190000.00

LLA :

AP 1711319 M4MX 250 67854 067443 2D C2319A 2RCR1GH129VC

Standard Number: M6785412RCR1GH1

TI-2,Rev. 1

400017 1300253974-00001 42150.00

LLA :

AQ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001086511

TI-03, Rev. 02

400018 1300253974-00002 7850.00

LLA :

AR 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001086511

TI-03, Rev. 02

600012 1300249739-00001 5000.00

LLA :

AL 2112093 211 20930 0 005U5U 04 2016A0 00255X81B3A6 JDJTMIPR2E192J7179B3A S12193

Standard Number: MIPR2E192J7179

TI-10

600013 1300252842-00002 44000.00

LLA :

AP 1711319 M4MX 250 67854 067443 2D C2319A 2RCR1GH129VC

Standard Number: M6785412RCR1GH1

TI-02, Rev. 2

MOD 02 Funding 1291000.00

Cumulative Funding 2962000.00

MOD 03

400019 1300252069-00001 10000.00

LLA :

AS 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001072511

TI-11 (MBIOT)

400020 1300252069-00002 70000.00

LLA :

AT 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001072511

TI-06,Rev.01 (RAILGUN)

MOD 03 Funding 80000.00

Cumulative Funding 3042000.00

MOD 04

400021 1300258672-00001 550000.00

LLA :

AU 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001117963

TI-04,REV.03 (NLUAV)

400022 1300257063-00001 315000.00

LLA :

AV 1721319 W2DV 253 RA309 0 068342 2D 000000 00001000JN20

Standard Number: RCP # N0001412WX21256 (ACRN: AA)

TI-13 (SHORT PULSE)

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400023 1300257063-00002 251000.00

LLA :

AW 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1DZ529VC

Standard Number: M6785411RCR1DZ5

TI-05, REV. 03 (RFVS)

400024 1300257063 90000.00

LLA :

AX 1721319 W3DT 255 RA353 0 068342 2D 000000 02918000SSL0

Standard Number: RCP # N0001412WX20935 (ACRN: AA)

TI-12(DE)

600014 1300258672-00001 50000.00

LLA :

AU 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001117963

TI-04,REV.03 (NLUAV)

600015 1300257063-00001 20000.00

LLA :

AV 1721319 W2DV 253 RA309 0 068342 2D 000000 00001000JN20

Standard Number: RCP # N0001412WX21256 (ACRN: AA)

TI-13 (SHORT PULSE)

600016 1300257063-00003 5000.00

LLA :

AX 1721319 W3DT 255 RA353 0 068342 2D 000000 02918000SSL0

Standard Number: RCP # N0001412WX20935 (ACRN: AA)

TI-12 (DE)

MOD 04 Funding 1281000.00

Cumulative Funding 4323000.00

MOD 05 Funding 0.00

Cumulative Funding 4323000.00

MOD 06

400025 1300266194-00002 80000.00

LLA :

AY 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001170243

TI-15 (LG VESSEL)

400026 1300266194-00001 85000.00

LLA :

AZ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001170243

TI-14 (SM VESSEL)

400027 1300265929-00001 70000.00

LLA :

BA 1721319 W2DV 253 RA309 0 068342 2D 000000 00001000JN20

TI-17 (ORION)

400028 1300266397-00002 40000.00

LLA :

BD 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001171546

TI-16 (NKCE)

400029 1300265929-00002 166000.00

LLA :

BB 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001169268

TI-3 (DTRA)

400030 1300269138-00001 18000.00

LLA :

BF 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001190450

TI-17 (TARANTULA)

400031 1300269138-00002 57000.00

LLA :

BG 1721109 6520 253 67854 067443 2D 652019 2RC265551530

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TI-17 (TARANTULA)

600017 1300266194-00002 5000.00
LLA :
AY 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001170243
TI-15 (LG VESSEL)

600018 1300266194-00001 5000.00
LLA :
AZ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001170243
TI-14 (SM VESSEL)

600019 1300266397-00001 32000.00
LLA :
BC 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001171546
TI-2 (PEVS)

600020 1300266397-00002 5000.00
LLA :
BD 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001171546
TI-16 (NKCE)

600021 1300265929-00003 25000.00
LLA :
BE 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001169268
TI-4 (NL UAV)

600022 1300269138-00002 10000.00
LLA :
BH 1721109 6520 253 67854 067443 2D 652019 2RC265551530
TI-17 (TARANTULA)

MOD 06 Funding 598000.00
Cumulative Funding 4921000.00

MOD 07

400032 1300270710-00001 60000.00
LLA :
BJ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001201385
TI-2 (PEVS)

600023 1300270710-00001 32000.00
LLA :
BJ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001201385
TI-2 (PEVS)

MOD 07 Funding 92000.00
Cumulative Funding 5013000.00

MOD 08

400033 1300271478 5000.00
LLA :
BK 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001206912
Standard Number: 1300271478-00001
TI-12 (DE)

400034 1300271478 2000.00
LLA :
BL 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001206912
Standard Number: 1300271478-00002
TI-8 (DSL A)

400035 1300271478 20000.00
LLA :
BM 97X4930 NH1E 255 77777 0 050120 2F 000000 A20001206912
Standard Number: 1300271478-00003
TI-12 (DE)

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400036 1300273375 55000.00
 LLA :
 BN 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001218357
 Standard Number: 1300273375-00001
 TI-12 (DE)

MOD 08 Funding 82000.00
 Cumulative Funding 5095000.00

MOD 09

400037 1300277849 85000.00
 LLA :
 BP 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001248966
 INCREMENTAL FUNDING;
 TI-2 (PEVS)

400038 1300277817 150000.00
 LLA :
 BR 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001248922
 INCREMENTAL FUNDING; TI-13 (Short Pulse)

400039 1300277961 10000.00
 LLA :
 BS 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001249153
 INCREMENTAL FUNDING;
 TI-8 (DSLA)

400040 1300277845 15000.00
 LLA :
 BT 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001248868
 INCREMENTAL FUNDING;
 TI-2 (PEVS)

600024 1300277817 30000.00
 LLA :
 BQ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001248922
 INCREMENTAL FUNDING
 TI-4 (NL UAV)

600025 1300277817 70000.00
 LLA :
 BR 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001248922
 INCREMENTAL FUNDING; TI-13 (SHORT PULSE)

600026 1300277961 1000.00
 LLA :
 BS 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001249153
 INCREMENTAL FUNDING; TI-8 (DSLA)

MOD 09 Funding 361000.00
 Cumulative Funding 5456000.00

MOD 10

400041 1300285194 4375.00
 LLA :
 BZ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001291766
 TI-05, Rev. 04 (RFVS)

400042 1300280122 90000.00
 LLA :
 BV 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001262673
 TI-06, Rev.02 (Railgun)

400043 1300280122 157000.00
 LLA :
 AF 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1DZ529VC
 TI-05, Rev.04 (RFVS)

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400044 1300280122 230000.00
 LLA :
 BX 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21659 (ACRN: AA)
 TI-09, Rev.01 (RF Vessel Stopper - RF Attenuation Study)

600027 1300285194 125.00
 LLA :
 BZ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001291766
 TI-05, Rev. 04 (RFVS)

600028 1300280122 25000.00
 LLA :
 AF 1711319 M4MX 250 67854 067443 2D C2319A 1RCR1DZ529VC
 Standard Number: M6785411RCR10Z5 (ACRN: AA)
 TI-05, Rev. 04 (RFVS)

600029 1300280122 30000.00
 LLA :
 BX 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21659 (ACRN: AA)
 TI-09, Rev. 01 (RF VESSEL)

MOD 10 Funding 536500.00
 Cumulative Funding 5992500.00

MOD 11

400045 1300293283 280000.00
 LLA :
 CA 1711319 M4MX 250 67854 067443 2D C2319A 2RCR1GY229VC

400046 1300293283 11000.00
 LLA :
 CB 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001326834

400047 1300293283 16000.00
 LLA :
 CC 97X4930 NH1E 255 77777 0 050120 2F 000000 A60001326834

400048 1300293283 47000.00
 LLA :
 CD 97X4930 NH1E 255 77777 0 050120 2F 000000 A20001326834

400049 1300293283 50000.00
 LLA :
 CE 97X4930 NH1E 255 77777 0 050120 2F 000000 A30001326834

400050 1300293932 10000.00
 LLA :
 CF 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001329663

400051 1300301711 60000.00
 LLA :
 CG 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001374877

400052 1300294608 16000.00
 LLA :
 CH 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001332842

400053 1300295454 32000.00
 LLA :
 CK 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001337685

400054 1300293283 20000.00
 LLA :
 CL 97X4930 NH1E 255 77777 0 050120 2F 000000 A40001326834

600030 1300293283 100000.00
 LLA :
 CA 1711319 M4MX 250 67854 067443 2D C2319A 2RCR1GY229VC

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600031 1300293283 10000.00
LLA :
CJ 97X4930 NH1E 255 77777 0 050120 2F 000000 A50001326834

600032 1300295454 10000.00
LLA :
CK 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001337685

600033 1300293283 5000.00
LLA :
CL 97X4930 NH1E 255 77777 0 050120 2F 000000 A40001326834

MOD 11 Funding 667000.00
Cumulative Funding 6659500.00

MOD 12 Funding 0.00
Cumulative Funding 6659500.00

MOD 13

410001 1300300376 1500000.00
LLA :
CM 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193
TI-19 HPM ANALYSIS

410002 1300308830 50000.00
LLA :
CN 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001437314
TI-20 RAILGUN

410003 1300308830 150000.00
LLA :
CP 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
TI-21 RF VESSELL

410004 1300308803 157000.00
LLA :
CQ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437295
TI-23 DE ANALYSIS

410005 1300310548 15000.00
LLA :
CR 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001454351
TI-24 PEVS

410006 1300310547 36800.00
LLA :
CS 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001454240
TI-25 LVED

410007 1300311863 30000.00
LLA :
CT 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001466309
TI-26 SHORT PULSE

610001 1300300376 15000.00
LLA :
CM 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193
TI-19 HPM ANALYSIS

610002 1300308830 10000.00
LLA :
CN 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001437314
TI-20 RAILGUN

610003 1300308830 10000.00
LLA :
CP 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
TI-21 RF VESSEL

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610004 1300308803 20000.00
 LLA :
 CQ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437295
 TI-23 DIRECTED ENERGY

610005 1300310547 3200.00
 LLA :
 CS 97X4930 NH1E 252 77777 0 050120 2F 000000 A00001454240
 TI-25 LVED

MOD 13 Funding 1997000.00
 Cumulative Funding 8656500.00

MOD 14

410008 1300308911 150000.00
 LLA :
 CU 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437788
 TI-22 TARANTULA

610006 1300308911 50000.00
 LLA :
 CU 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437788
 TI-22 TARANTULA

MOD 14 Funding 200000.00
 Cumulative Funding 8856500.00

MOD 15

410009 1300313495 427500.00
 LLA :
 CV 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9656023WRR3AE7
 TI-27 NL UAV

410010 1300315063 67000.00
 LLA :
 CW 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936
 Standard Number: M9545013RCR3AL3-AA
 TI-24 PEVS

410011 1300316786 250000.00
 LLA :
 CX 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001502035
 TI-25 LG VESSEL

410012 1300316525 60000.00
 LLA :
 CY 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20
 Standard Number: N0001412WX21256-AA
 TI-26 SHORT PULSE

410013 1300316527 162000.00
 LLA :
 CZ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001500165
 TI-28

610007 1300313495 50000.00
 LLA :
 CV 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9656023WRR3AE7
 TI-27 NL UAV

610008 1300315063 5000.00
 LLA :
 CW 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936
 Standard Number: M9545013RCR3AL3-AA
 TI-24 PEVS

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610009 1300316786 25000.00
LLA :
CX 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001502035
TI-25 LG VESSEL

610010 1300316525 10000.00
LLA :
CY 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20
Standard Number: N0001412WX21256-AB
TI-26 SHORT PULSE

610011 1300316527 16200.00
LLA :
CZ 97X4930 NH1E 252 77777 0 050120 2F 000000 A00001500165
TI-28 SM VESSEL

MOD 15 Funding 1072700.00
Cumulative Funding 9929200.00

MOD 16

410014 130031950500001 210000.00
LLA :
DA 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20036-AA
TI-24 PEVS

410015 130031950500002 118000.00
LLA :
DB 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20037-AA
TI-26 SHORT PULSE

410016 130031948200001 20926.00
LLA :
DC 1721319 W3DT 255 RA353 0 068342 2D 000000 02918000SSL0
Standard Number: N0001412WX20935-AA
TI-23 DE SUPPORT

410017 130032041200001 100000.00
LLA :
DD 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001524141
TI-23 DE SUPPORT

410018 130032078300001 160000.00
LLA :
DE 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001525605
TI-20 RAILGUN

610012 130031950500001 17000.00
LLA :
DA 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20036-AA
TI-24 PEVS

610013 130031950500002 16000.00
LLA :
DB 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20037-AA
TI-26 SHORT PULSE

MOD 16 Funding 641926.00
Cumulative Funding 10571126.00

MOD 17

400013 1300249739-00001 (18300.00)
LLA :
AL 2112093 211 20930 0 005U5U 04 2016A0 00255X81B3A6 JDJTMIPR2E192J7179B3A S12193
Standard Number: MIPR2E192J7179

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TI-10

400014 1300249739-00002 (185500.00)

LLA :

AM 2112093 211 20930 0 005U5U 04 2016A0 00251281B3A6 JDJTMIPR2B192J7053B3A 012193

Standard Number: MIPR2B192J7053

TI-10

400024 1300257063 (4700.00)

LLA :

AX 1721319 W3DT 255 RA353 0 068342 2D 000000 02918000SSL0

Standard Number: RCP # N0001412WX20935 (ACRN: AA)

TI-12(DE)

400025 1300266194-00002 (7600.00)

LLA :

AY 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001170243

TI-15 (LG VESSEL)

400028 1300266397-00002 (17977.00)

LLA :

BD 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001171546

TI-16 (NKCE)

400029 1300265929-00002 (72400.00)

LLA :

BB 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001169268

TI-3 (DTRA)

400035 1300271478 (1500.00)

LLA :

BM 97X4930 NH1E 255 77777 0 050120 2F 000000 A20001206912

Standard Number: 1300271478-00003

TI-12 (DE)

400038 1300277817 (32425.00)

LLA :

BR 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001248922

INCREMENTAL FUNDING; TI-13 (Short Pulse)

400042 1300280122 (29500.00)

LLA :

BV 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001262673

TI-06, Rev.02 (Railgun)

400044 1300280122 (33132.00)

LLA :

BX 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30

Standard Number: N0001412WX21659 (ACRN: AA)

TI-09, Rev.01 (RF Vessel Stopper - RF Attenuation Study)

400047 1300293283 (16000.00)

LLA :

CC 97X4930 NH1E 255 77777 0 050120 2F 000000 A60001326834

400051 1300301711 (9600.00)

LLA :

CG 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001374877

400054 1300293283 (8600.00)

LLA :

CL 97X4930 NH1E 255 77777 0 050120 2F 000000 A40001326834

MOD 17 Funding -437234.00

Cumulative Funding 10133892.00

MOD 18

410019 1300328529 130000.00

LLA :

DF 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936

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Standard Number: M9545013RCR3BP0-AA

610014 1300328529 7000.00
 LLA :
 DF 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
 Standard Number: M9545013RCR3BP0-AA

MOD 18 Funding 137000.00
 Cumulative Funding 10270892.00

MOD 19

410020 1300335912 106500.00
 LLA :
 DG 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9545013RCR3AF1-AA
 TI-27 NL UAV

410021 1300335892 125000.00
 LLA :
 DH 1731319 W3DJ 255 RA353 0 068342 2D 000000 02911000GGA0
 Standard Number: N00001413RX20234-AA
 TI-23 DE ANALYSIS

410022 1300331534 165000.00
 LLA :
 DJ 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20
 Standard Number: N0001413RX20186-AA
 TI-30 SHORT PULSE COUNTER ELECTRONICS INVESTIGATION

410023 1300335028 33000.00
 LLA :
 DK 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20
 Standard Number: N0001412WX21488-AB
 TI-31 ORION

410024 1300335028 160000.00
 LLA :
 DL 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001618081
 Standard Number: N0001413WX20216
 TI-20 RAILGUN

410025 1300335028 230000.00
 LLA :
 DM 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21483-AB
 TI-29 RFVS

610015 1300335912 10000.00
 LLA :
 DG 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9545013RCR3AF1-AA
 TI-27 NL UAV

610016 1300331534 20000.00
 LLA :
 DJ 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20
 Standard Number: N0001413RX20186-AA
 TI-30 SHORT PULSE COUNTER ELECTRONICS INVESTIGATION

610017 1300335028 5000.00
 LLA :
 DK 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20
 Standard Number: N0001412WX21488-AA
 TI-31 ORION

610018 1300335028 10000.00
 LLA :
 DL 97X4930 NH1E 252 77777 0 050120 2F 000000 A00001618081
 Standard Number: N0001413WX20216
 TI-20 RAILGUN

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610019 1300335028 27000.00
 LLA :
 DM 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21483-AB
 TI-29 RFVS

MOD 19 Funding 891500.00
 Cumulative Funding 11162392.00

MOD 20

410026 1300338205 30132.00
 LLA :
 DN 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21659-AA
 TI-21 RF VESSELL

410027 1300338208 70000.00
 LLA :
 DP 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001640443
 Standard Number: N0002413WX07803-AA
 TI-33 RADES

410028 1300342085 270000.00
 LLA :
 DQ 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21659-AA
 TI-21 RF VESSELL

410029 1300339957 33000.00
 LLA :
 DR 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936
 Standard Number: M9545013RCR3CD9-AA
 TI-34 DSLA

610020 1300338205 3000.00
 LLA :
 DN 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21659-AA
 TI-21 RF VESSELL

610021 1300338208 10000.00
 LLA :
 DT 97X4930 NH1E 252 77777 0 050120 2F 000000 A00001640443
 TI-33 RADES

610022 1300342090 25655.00
 LLA :
 DS 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21483-AB
 TI-29 RF VEH STOPPER

610023 1300342085 30000.00
 LLA :
 DQ 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21659-AA
 TI-21 RF VESSELL

610024 1300339957 5000.00
 LLA :
 DR 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936
 Standard Number: M9545013RCR3CD9-AA
 TI-34 DSLA

MOD 20 Funding 476787.00
 Cumulative Funding 11639179.00

MOD 21

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
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411001 1300338207 40000.00
 LLA :
 DV 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001640442
 TI-32 DTRA

411002 1300342374 137000.00
 LLA :
 DU 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9545013RCR3AF1-AA
 TI-27 NLUAV

411003 1300345012 55600.00
 LLA :
 DX 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC
 Standard Number: M9545013RCR2GP1-AA
 TI-24 PEVS

411004 1300345012 207000.00
 LLA :
 DY 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC
 Standard Number: M9545013RCR2GP3-AA
 TI-24 PEVS

610025 1300345012 122000.00
 LLA :
 DY 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC
 Standard Number: M9545013RCR2GP3-AA
 TI-24 PEVS

611001 1300338207 10000.00
 LLA :
 DW 97X4930 NH1E 252 77777 0 050120 2F 000000 A00001640442
 TI-32 DTRA

611002 1300342374 20000.00
 LLA :
 DU 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9545013RCR3AF1-AA
 TI-27 NLUAV

611003 1300345012 5000.00
 LLA :
 DX 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC
 Standard Number: M9545013RCR2GP1-AA
 TI-24 PEVS

MOD 21 Funding 596600.00
 Cumulative Funding 12235779.00

MOD 22

410030 1300352217 72000.00
 LLA :
 EC 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001413RX20281-AA
 TI-29 RF VEH STOPPER

411005 1300348776 68000.00
 LLA :
 DZ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936
 Standard Number: M9545013RCR3AL3-AA
 TI-24 PEVS

411006 1300349933 310000.00
 LLA :
 EA 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9545013RCR3AF1-AA
 TI-27 NLUAV

411007 1300351276 90000.00
 LLA :

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EB 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20037-AA
TI-30 SHORT PULSE

611004 1300348776 10000.00
LLA :
DZ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936
Standard Number: M9545013RCR3AL3-AA
TI-24 PEVS

611005 1300349933 50000.00
LLA :
EA 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NLUAV

611006 1300351276 10000.00
LLA :
EB 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20037-AA
TI-30 SHORT PULSE

MOD 22 Funding 610000.00
Cumulative Funding 12845779.00

MOD 23

410031 1300352743 163871.00
LLA :
ED 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0-AA
TI-29 RF VEH STOPPER

610026 1300352743 24129.00
LLA :
ED 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0-AA
TI-29 RF VEH STOPPER

610027 1300359351 30000.00
LLA :
EE 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001788570
Standard Number: N0002413WX07803-AA
TI-33 RADES

610028 1300358627 90000.00
LLA :
EF 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20036-AA
TI-24 PEVS

MOD 23 Funding 308000.00
Cumulative Funding 13153779.00

MOD 24

410001 1300300376 (340000.00)
LLA :
CM 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193
TI-19 HPM ANALYSIS

410003 1300308830 (2000.00)
LLA :
CP 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
TI-21 RF VESSELL

410006 1300310547 (2000.00)
LLA :
CS 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001454240
TI-25 LVED

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410008 1300308911 (1000.00)
LLA :
CU 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437788
TI-22 TARANTULA

410011 1300316786 (40000.00)
LLA :
CX 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001502035
TI-25 LG VESSEL

410014 1300319505 (1000.00)
LLA :
DA 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20036-AA
TI-24 PEVS

410017 1300320412 (5000.00)
LLA :
DD 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001524141
TI-23 DE SUPPORT

410018 1300320783 (5000.00)
LLA :
DE 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001525605
TI-20 RAILGUN

410021 1300335892 (72000.00)
LLA :
DH 1731319 W3DJ 255 RA353 0 068342 2D 000000 02911000GGA0
Standard Number: N00001413RX20234-AA
TI-23 DE ANALYSIS

410024 1300335028 (28000.00)
LLA :
DL 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001618081
Standard Number: N0001413WX20216
TI-20 RAILGUN

410025 1300335028 (16000.00)
LLA :
DM 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21483-AB
TI-29 RFVS

410026 1300338205 (1500.00)
LLA :
DN 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21659-AA
TI-21 RF VESSELL

410028 1300342085 (150000.00)
LLA :
DQ 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21659-AA
TI-21 RF VESSELL

410029 1300339957 (20000.00)
LLA :
DR 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936
Standard Number: M9545013RCR3CD9-AA
TI-34 DSLA

410030 1300352217 (10000.00)
LLA :
EC 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20281-AA
TI-29 RF VEH STOPPER

411001 1300338207 (2000.00)
LLA :
DV 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001640442

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TI-32 DTRA

411003 1300345012 (1000.00)
LLA :
DX 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC
Standard Number: M9545013RCR2GP1-AA
TI-24 PEVS

411004 1300345012 (78000.00)
LLA :
DY 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC
Standard Number: M9545013RCR2GP3-AA
TI-24 PEVS

411005 1300348776 (68000.00)
LLA :
DZ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936
Standard Number: M9545013RCR3AL3-AA
TI-24 PEVS

411006 1300349933 (120000.00)
LLA :
EA 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NLUAV

610001 1300300376 (8000.00)
LLA :
CM 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193
TI-19 HPM ANALYSIS

611005 1300349933 (14000.00)
LLA :
EA 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NLUAV

MOD 24 Funding -984500.00
Cumulative Funding 12169279.00

MOD 25

420001 1300367851 200000.00
LLA :
EG 1731319 W3DJ 255 RA353 0 068342 2D 000000 02911000GGA0
Standard Number: N00001413RX20234-AA
TI-23 DE

420002 1300367407 400000.00
LLA :
EH 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001834158
TI-19 BANE
"2410(a) Authority is hereby invoked."

420003 1300370407 18000.00
LLA :
EJ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936
Standard Number: M9545013RCR3CD9-AA
TI-34 DSLA

420004 1300370407 47000.00
LLA :
EK 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001851201
TI-DTRA

420005 1300370407 1000.00
LLA :
EL 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20036-AA
TI-24 PEVS

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420006 1300370407 1000.00
LLA :
EM 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC
Standard Number: M9545013RCR2GP1-AA
TI-24 PEVS
"2410(a) Authority is hereby invoked"

420007 1300370407 64000.00
LLA :
EN 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0-AA
TI-29 RFVS

420008 1300370407 16000.00
LLA :
EP 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21483-AA
TI-29 RFVS
"2410(a) Authority is hereby invoked"

420009 1300370407 78000.00
LLA :
EQ 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC
Standard Number: M9545013RCR2GP3-AA
TI-24
"2410(a) Authority is hereby invoked"

420010 1300370407 68000.00
LLA :
ER 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936
Standard Number: M9545013RCR3AL3-AA
TI-24 PEVS

420011 1300372145 26000.00
LLA :
ES 1731319 M4MX 255 67854 067443 2D C23190 3RCR3DT82936
Standard Number: M9545013RCR3DT8-AA
TI-34 DSLA

420012 1300371340 123500.00
LLA :
ET 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21659-AA
TI-21 RF VES

420013 1300371340 100000.00
LLA :
EU 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001857056
TI-20 RAILGUN

420014 1300371340 115000.00
LLA :
EV 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001857056
TI-33 RADES

420015 1300371340 140000.00
LLA :
EW 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NL UAV

420016 1300370060 13300.00
LLA :
EX 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20037-AA
TI-26 SH PULSE LD

420017 1300370060 10000.00
LLA :
EY 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20281-AA
TI-29 RFVS

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620001 1300367851 15000.00
 LLA :
 EG 1731319 W3DJ 255 RA353 0 068342 2D 000000 02911000GGA0
 Standard Number: N00001413RX20234-AA
 TI-23 DE

620002 1300367407 10000.00
 LLA :
 EH 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001834158
 TI-19 BANE
 "2410(a) Authority is hereby invoked"

620003 1300370407 2000.00
 LLA :
 EJ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936
 Standard Number: M9545013RCR3CD9-AA
 TI-34 DSLA

620004 1300370407 5000.00
 LLA :
 EK 97X4930 NH1E 252 77777 0 050120 2F 000000 A00001851201
 TI-32 DTRA

620005 1300370407 24000.00
 LLA :
 EN 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
 Standard Number: M9545013RCR3BP0-AA
 TI-29 RFVS

620006 1300371340 30000.00
 LLA :
 ET 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001412WX21659-AA
 TI-21 RF VES

620007 1300371340 10000.00
 LLA :
 EU 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001857056
 TI-20 RAILGUN

620008 1300371340 40000.00
 LLA :
 EV 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001857056
 TI-33 RADES

620009 1300371340 14000.00
 LLA :
 EW 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
 Standard Number: M9545013RCR3AF1-AA
 TI-27 NL UAV

620010 1300372145 2500.00
 LLA :
 ES 1731319 M4MX 255 67854 067443 2D C23190 3RCR3DT82936
 Standard Number: M9545013RCR3DT8-AA
 TI-34 DSLA

MOD 25 Funding 1573300.00
 Cumulative Funding 13742579.00

MOD 26

420018 1300373534 67000.00
 LLA :
 EZ 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001413RX20037 - AA
 TI-26 SH PULSE LD

620011 1300373534 8000.00
 LLA :

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EZ 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20037 - AA
TI-26 SH PULSE LD

MOD 26 Funding 75000.00
Cumulative Funding 13817579.00

MOD 27

410003 1300308830 (6800.39)
LLA :
CP 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
TI-21 RF VESSELL

410026 1300338205 (19767.91)
LLA :
DN 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21659-AA
TI-21 RF VESSELL

410028 1300342085 (49649.43)
LLA :
DQ 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21659-AA
TI-21 RF VESSELL

410031 1300352743 (163871.00)
LLA :
ED 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0-AA
TI-29 RF VEH STOPPER

610014 1300328529 (2000.00)
LLA :
DF 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0-AA

610020 1300338205 (1000.00)
LLA :
DN 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21659-AA
TI-21 RF VESSELL

610023 1300342085 (21674.11)
LLA :
DQ 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001412WX21659-AA
TI-21 RF VESSELL

610026 1300352743 (24129.00)
LLA :
ED 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0-AA
TI-29 RF VEH STOPPER

610028 1300358627 (90000.00)
LLA :
EF 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20036-AA
TI-24 PEVS

MOD 27 Funding -378891.84
Cumulative Funding 13438687.16

MOD 28

420019 1300375797 45000.00
LLA :
FA 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20

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Standard Number: N0001413RX20447/ AA
N0001413RX20447/ AA
/ RDTE/
FED - 9/30/13/
TI 2-26 SH PULSE LD

420020 1300375797 55000.00
LLA :
FB 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20
2-30 SH PULSE CE/
N0001413RX20186/ AA;
FED - 9/30/13/
RDTE

420021 1300375797 108000.00
LLA :
FC 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001885444
Standard Number: N0001413WX21447/ AA
RDTE/
FED - 12/31/13
2 - 3 5 A C E
N0001413WX21447/ AA

620012 1300375797 5000.00
LLA :
FA 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20
Standard Number: N0001413RX20447/ AA
2-26 SH PULSE LD;
RDTE/
N0001413RX20447/ AA
FED - 9/30/13

620013 1300375797 5000.00
LLA :
FB 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20
Standard Number: N0001413RX20186/ AA
2-30 SH PULSE CD/
N0001413RX20186/ AA
RDTE
FED - 9/30/13

620014 1300375797 12000.00
LLA :
FC 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001885444
Standard Number: N0001413WX21447/ AA
2-35 ACE
N0001413WX21447/ AA
RDTE
FED - 12/31/13

MOD 28 Funding 230000.00
Cumulative Funding 13668687.16

MOD 29

420022 1300377102 215000.00
LLA :
FD 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0-AA
TI 29 RFVS/
M9545013RCR3BP0-AA
WCD 12/31/2013
RDTE

420023 1300377096 84002.00
LLA :

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FE 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413WX21659 / AA
WCD - 8/31/13
TI-21 RF VES
N0001413WX21659 / AA
RDTE
"2410(a) Authority is hereby invoked"

420024 1300377522 49000.00
LLA :
FF 1731319 W2DA 255 RA353 0 068342 2D 000000 00000000AZ30
Standard Number: N0001413RX20492/ AA
EXP - 9/30/13
RDTE
T I 3 5 A C E
N0001413RX20492/ AA

620015 1300377102 35000.00
LLA :
FD 1731319 M4MX 255 67854 067443 2D C23190 3RCR3BP02936
Standard Number: M9545013RCR3BP0/AA
TI 29/RFVS
M9545013RCR3BP0/AA
WCD - 12/31/13
RDTE

620016 1300377096 14889.00
LLA :
FE 1721319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413WX21659/ AA
TI 21/ RF VES
N0001413WX21659/ AA
WCD - 8/31/13
RDTE
"2410(a) Authority is hereby invoked"

620017 1300377522 1000.00
LLA :
FF 1731319 W2DA 255 RA353 0 068342 2D 000000 00000000AZ30
Standard Number: N0001413RX20492/ AA
TI 35/ACE
N0001413RX20492/ AA
RDTE
EXP -9/30/13

620018 1300377096 90000.00
LLA :
FG 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20036/ AA
TI 24 PEVS
N0001413RX20036/ AA
RDTE
WCD - 12/31/2013

620019 1300377406 8000.00
LLA :
FH 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC
Standard Number: M9545013RCR2GP3
TI 24 PEVS
M9545013RCR2GP3
RDTE
EXP - 9/30/13
"2410(a) Authority is hereby invoked"

MOD 29 Funding 496891.00
Cumulative Funding 14165578.16

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MOD 30

410001 130030037600001 (58100.00)
LLA :
CM 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193
TI-19 HPM ANALYSIS

410008 130030891100001 (4000.00)
LLA :
CU 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437788
TI-22 TARANTULA

410009 130031349500001 (2000.00)
LLA :
CV 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9656023WRR3AE7
TI-27 NL UAV

410011 130031678600001 (3400.00)
LLA :
CX 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001502035
TI-25 LG VESSEL

410013 130031652700001 (1100.00)
LLA :
CZ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001500165
TI-28

410016 130031948200001 (1000.00)
LLA :
DC 1721319 W3DT 255 RA353 0 068342 2D 000000 02918000SSL0
Standard Number: N0001412WX20935-AA
TI-23 DE SUPPORT

410017 130032041200001 (1600.00)
LLA :
DD 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001524141
TI-23 DE SUPPORT

410020 130033591200001 (7000.00)
LLA :
DG 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NL UAV

410021 130033589200001 (5000.00)
LLA :
DH 1731319 W3DJ 255 RA353 0 068342 2D 000000 02911000GGA0
Standard Number: N00001413RX20234-AA
TI-23 DE ANALYSIS

410023 130033502800001 (4400.00)
LLA :
DK 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20
Standard Number: N0001412WX21488-AB
TI-31 ORION

410024 130033502800003 (9200.00)
LLA :
DL 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001618081
Standard Number: N0001413WX20216
TI-20 RAILGUN

410027 130033820800001 (6500.00)
LLA :
DP 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001640443
Standard Number: N0002413WX07803-AA
TI-33 RADES

410029 130033995700001 (3000.00)
LLA :
DR 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936

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Standard Number: M9545013RCR3CD9-AA
TI-34 DSLA

411001 130033820700001 (8000.00)
LLA :
DV 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001640442
TI-32 DTRA

411002 130034237400001 (6000.00)
LLA :
DU 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NLUAV

411003 130034501200001 (1700.00)
LLA :
DX 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC
Standard Number: M9545013RCR2GP1-AA
TI-24 PEVS

411004 130034501200002 (25200.00)
LLA :
DY 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC
Standard Number: M9545013RCR2GP3-AA
TI-24 PEVS

411006 130034993300001 (87500.00)
LLA :
EA 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NLUAV

420025 130037589700001 45000.00
LLA :
FJ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001886629
Standard Number: HDTRA136459
HDTRA136459
TI 2-32; 2410 authority invoked; RDTE
WCD - 12/31/13

420026 130037589700002 18000.00
LLA :
FK 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001886629
Standard Number: F2KBAB2324G004
F2KBAB2324G004
RDTE; EXP - 9/30/13; 2410 authority is invoked

420027 130037886400001 109425.25
LLA :
FL 1731319 W2DB 255 RA309 0 068342 2D 000000 00000000CS20
Standard Number: N0001413RX20103
N0001413RX20103/ AA
RDTE - EXP 9/30/13
2410 authority

610001 130030037600001 (1200.00)
LLA :
CM 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193
TI-19 HPM ANALYSIS

610002 130030883000002 (3800.00)
LLA :
CN 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001437314
TI-20 RAILGUN

610004 130030880300001 (14300.00)
LLA :
CQ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437295
TI-23 DIRECTED ENERGY

610006 130030891100001 (15000.00)

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LLA :
CU 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001437788
TI-22 TARANTULA

610009 130031678600001 (12000.00)

LLA :
CX 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001502035
TI-25 LG VESSEL

610016 130033153400002 (1600.00)

LLA :
DJ 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20
Standard Number: N0001413RX20186-AA
TI-30 SHORT PULSE COUNTER ELECTRONICS INVESTIGATION

610017 130033502800002 (5000.00)

LLA :
DK 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20
Standard Number: N0001412WX21488-AA
TI-31 ORION

610018 130033502800004 (10000.00)

LLA :
DL 97X4930 NH1E 252 77777 0 050120 2F 000000 A00001618081
Standard Number: N0001413WX20216
TI-20 RAILGUN

610024 130033995700002 (5000.00)

LLA :
DR 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936
Standard Number: M9545013RCR3CD9-AA
TI-34 DSLA

610025 130034501200002 (47000.00)

LLA :
DY 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC
Standard Number: M9545013RCR2GP3-AA
TI-24 PEVS

610027 130035935100001 (1000.00)

LLA :
EE 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001788570
Standard Number: N0002413WX07803-AA
TI-33 RADES

611003 130034501200001 (5000.00)

LLA :
DX 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC
Standard Number: M9545013RCR2GP1-AA
TI-24 PEVS

611004 130034877600002 (10000.00)

LLA :
DZ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936
Standard Number: M9545013RCR3AL3-AA
TI-24 PEVS

611005 130034993300002 (13500.00)

LLA :
EA 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936
Standard Number: M9545013RCR3AF1-AA
TI-27 NLUAV

611006 130035127600002 (4500.00)

LLA :
EB 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
Standard Number: N0001413RX20037-AA
TI-30 SHORT PULSE

620020 130037589700001 5000.00

LLA :
FJ 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001886629

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Standard Number: HDTRA136459
 TI 32
 D T R A
 HDTRA136459
 WCD - 12-31-13

620021 130037886400001 10000.00
 LLA :
 FL 1731319 W2DB 255 RA309 0 068342 2D 000000 00000000CS20
 Standard Number: N0001413RX20103
 TI -37 MBIOT N0001413RX20103
 EXP - 9/30/13

MOD 30 Funding -196174.75
 Cumulative Funding 13969403.41

MOD 31

420028 1300377287 320000.00
 LLA :
 FM 1731319 85XZ 251 V0000 0 050120 2D 000000 A00001900187
 Standard Number: N/A
 T I 3 3 R A D E S S t a n d a r d N u m b e r : R & D

420029 1300380514 1889.00
 LLA :
 FN 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30
 Standard Number: N0001413RX20037/ AA
 TI 26 SHORT PULSE Standard Number: N0001413RX20037 R&D Exp: 12/31/2013

420030 1300380514 19000.00
 LLA :
 FP 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20
 Standard Number: N0001413RX20447/AA
 TI 26 SHORT PULSE Standard Number: N0001413RX20447 '2410(a) Authority is hereby
 invoked' R&D Exp: 9/30/2013

420031 1300380514 36800.00
 LLA :
 FQ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001933928
 Standard Number: N0001412WX21351
 TI 25 LG VES Standard Number: N0001412WX21351 '2410(a) Authority is hereby
 invoked' R&D Exp: 9/30/2013

420032 1300381230 58100.00
 LLA :
 FR 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193
 Standard Number: MIPR2E192J7221
 TI 19 BANE Standard Number: MIPR2E192J7221 '2410(a) Authority is hereby
 invoked' Other Exp: 9/30/2013

420033 1300381230 4000.00
 LLA :
 FS 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001942194
 Standard Number: M9545012WRR2CV9
 TI 22 TARANTULA Standard Number: M9545012WRR2CV9 '2410(a) Authority is hereby
 invoked' R&D Exp: 9/30/2013

420034 1300381030 3400.00
 LLA :
 FT 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001940794
 Standard Number: N0001412WX21351
 TI 25 LG VES Standard Number: N0001412WX21351 '2410(a) Authority is hereby
 invoked' R&D Exp: 9/30/2013

420035 1300381030 1600.00
 LLA :

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FU 97X4930 NH1E 255 77777 0 050120 2F 000000 A00001940794

Standard Number: N0001413WX20120

TI 23 SSL-TM Standard Number: N0001413WX20120 '2410(a) Authority is hereby invoked' R&D Exp: 12/31/2013

420036 1300381030 102500.00

LLA :

FV 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936

Standard Number: M9545013RCR3AF1

TI 27 NL UAV Standard Number: M9545013RCR3AF1 '2410(a) Authority is hereby invoked' R&D Exp: 11/30/2013

420037 1300381030 5000.00

LLA :

FW 1731319 W3DJ 255 RA353 0 068342 2D 000000 02911000GGA0

Standard Number: N0001413RX20234/ AA

TI 23 SSL Standard Number: N0001413RX20234 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

420038 1300381030 4400.00

LLA :

FX 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20

Standard Number: N0001412WX21488/ AA

TI 31 ORION Standard Number: N0001412WX21488 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

420039 1300381030 6500.00

LLA :

FY 97X4930 NH1E 255 77777 0 050120 2F 000000 A20001940794

Standard Number: N0002413WX07803

TI 33 RADES Standard Number: N0002413WX07803 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

420040 1300381181 3000.00

LLA :

FZ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936

Standard Number: M9545013RCR3C09/ AA

TI 34 DSLA Standard Number: M9545013RCR3C09 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

420041 1300381030 8000.00

LLA :

GA 97X4930 NH1E 255 77777 0 050120 2F 000000 A30001940794

Standard Number: HDTRA136459

TI 32 DTRA Standard Number: HDTRA136459 '2410(a) Authority is hereby invoked' nwc f Exp: 12/31/2013

420042 1300381030 1700.00

LLA :

GB 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC

Standard Number: M9545013RCR2GP1/ AA

TI 24 PEVS Standard Number: M9545013RCR2GP1 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

420043 1300381030 25200.00

LLA :

GC 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC

Standard Number: M9545013RCR2CP3/ AA

TI 24 PEVS Standard Number: M9545013RCR2CP3 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620022 1300377287 80000.00

LLA :

FM 1731319 85XZ 251 V0000 0 050120 2D 000000 A00001900187

TI 33 RADES

R&D

620023 1300380514 4100.00

LLA :

FQ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001933928

Standard Number: N0001412WX21351

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TI 25 LG VES Standard Number: N0001412WX21351 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620024 1300381230 1200.00

LLA :

FR 2122093 5U5 U0420 1 6A0002 55 X81B3A 6JDJTMIPR2E1 92J7221B3A681S12193 012193

Standard Number: MIPR2E192J7221

TI 19 BANE Standard Number: MIPR2E192J7221 '2410(a) Authority is hereby invoked' Other Exp: 9/30/2013

620025 1300381230 15000.00

LLA :

FS 97X4930 NH1E 251 77777 0 050120 2F 000000 A00001942194

Standard Number: M9545012WRR2CV9

TI 22 TARANTULA Standard Number: M9545012WRR2CV9 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620026 1300381030 12000.00

LLA :

FT 97X4930 NH1E 255 77777 0 050120 2F 000000 A10001940794

Standard Number: N0001412WX21351

TI 25 LG VES Standard Number: N0001412WX21351 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620027 1300381030 13500.00

LLA :

FV 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AF12936

Standard Number: M9545013RCR3AF1/ AA

TI 27 NL UAV Standard Number: M9545013RCR3AF1 '2410(a) Authority is hereby invoked' R&D Exp: 11/30/2013

620028 1300381030 5000.00

LLA :

FX 1721319 W2DV 255 RA309 0 068342 2D 000000 00001000JN20

Standard Number: N0001412WX21488/ AA

TI 31 ORION Standard Number: N0001412WX21488 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620029 1300381030 1000.00

LLA :

FY 97X4930 NH1E 255 77777 0 050120 2F 000000 A20001940794

Standard Number: N0002413WX07803

TI 33 RADES Standard Number: N0002413WX07803 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620030 1300381181 5000.00

LLA :

FZ 1731319 M4MX 255 67854 067443 2D C23190 3RCR3CD92936

Standard Number: M9545013RCR3C09

TI 34 DSLA Standard Number: M9545013RCR3C09
'2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620031 1300381030 5000.00

LLA :

GB 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP129VC

Standard Number: M9545013RCR2GP1/ AA

TI 24 PEVS Standard Number: M9545013RCR2GP1 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620032 1300381030 47000.00

LLA :

GC 1721319 M4MX 250 67854 067443 2D C2319A 3RCR2GP329VC

Standard Number: M9545013RCR2CP3/ AA

TI 24 PEVS Standard Number: M9545013RCR2CP3 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

620033 1300381030 1600.00

LLA :

GD 1731319 W2DV 255 RA309 0 068342 2D 000000 00000000JN20

Standard Number: N0001413RX20186/ AA

TI 30 SH PULSE CE Standard Number: N0001413RX20186 '2410(a) Authority is hereby invoked' R&D Exp: 9/30/2013

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620034 1300381030 10000.00

LLA :

GE 1731319 M4MX 255 67854 067443 2D C23190 3RCR3AL32936

Standard Number: M9545013RCR3AL3/ AA

TI 24 PEVS Standard Number: M9545013RCR3AL3 '2410(a) Authority is hereby
invoked' R&D Exp: 10/27/2013

620035 1300381030 4500.00

LLA :

GF 1731319 W3DW 255 RA309 0 068342 2D 000000 03022000JN30

Standard Number: N0001413RX20037/AA

TI 30 SH PULSE CE Standard Number: N0001413RX20037 '2410(a) Authority is hereby
invoked' R&D Exp: 12/31/2013

MOD 31 Funding 805989.00

Cumulative Funding 14775392.41

MOD 32

420044 1300387220 100000.00

LLA :

GG 97X4930 NH1E 251 77777 0 050120 2F 000000 A00002000499

TI-20 RAILGUN

MOD 32 Funding 100000.00

Cumulative Funding 14875392.41

MOD 33

420045 130039181500001 30000.00

LLA :

GH 1731319 M4MX 255 67854 067443 2D C23190 4RCR3FM82936

Standard Number: M9545014RCR3FM8-AA

TI-24 PEVS

420046 130039417100001 19000.00

LLA :

GJ 97X4930 NH1E 251 77777 0 050120 2F 000000 A00002053927

TI-36 EW

420047 130039466600001 18000.00

LLA :

GK 97X4930 NH1E 251 77777 0 050120 2F 000000 A00002057802

TI-38 DARPA

620036 130039466600002 2000.00

LLA :

GL 97X4930 NH1E 252 77777 0 050120 2F 000000 A00002057802

TI-38 DARPA

MOD 33 Funding 69000.00

Cumulative Funding 14944392.41

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SECTION H SPECIAL CONTRACT REQUIREMENTS

TASK ORDER LABOR CATEGORY QUALIFICATIONS

To perform the requirements of the Performance Work Statement, the Government desires personnel with the appropriate experience and professional development qualifications. Labor categories are identified as Key and Non-Key. The experience level for each Key Personnel labor category is identified in the clause entitled PERSONNEL QUALIFICATIONS below.

Resumed Key Personnel are the Key Personnel whose resumes were submitted with the offeror's proposal for evaluation purposes or their replacement in accordance with the CHANGES IN RESUMED KEY PERSONNEL clause below. (Section L provision 5.2 RESUMES identifies the number of Full-Time Equivalents for which resumes are required in the offeror's proposal.) Key Personnel qualification levels are considered to be "Desired" for those individuals whose resumes are submitted for evaluation with the proposal. Resumes for any replacement of these proposed resumed key personnel following award shall be equal to or better than the individuals initially proposed, as required by the clause CHANGES IN RESUMED KEY PERSONNEL below.

The desired experience for each position is listed below; this experience must be directly related to the tasks and programs listed in the statement of work. In addition to the experience listed below, general experience in engineering (electrical, mechanical, civil, industrial), computer science, mathematics, physical science, modeling and simulation, or another field appropriate to the labor category employing skills that apply to the accomplishment of the technical objectives of the statement of work is a plus and will be favorably considered (such experience may not necessarily meet the desired qualifications listed below), as will experience utilizing automated systems, including personal computers/workstations and basic software applications such as word processors, spreadsheets, graphics/presentation packages, databases, and e-mail.

KEY LABOR CATEGORY DESIRED QUALIFICATIONS

Program Manager - Ten (10) years professional technical experience managing similar scientific/engineering projects. Ten (10) years experience in planning, directing, coordinating, controlling administrative and engineering activities for the entire contract effort including supervision of task managers in the execution of their assigned duties; reviewing and maintaining quality of technical work done on the program; assuring and monitoring the timeliness and quality of all work products including work planning, control of budget, schedule, and task execution, contract and subcontract management, personnel management and supervision. Five (5) years experience related to one or more of the specific technology areas of this contract: RF sensors, HPM systems, precision tracking systems, shipboard countermeasure systems, image and sensor fusion; image/signal processing; and modeling and simulation is highly desirable.

Principal Engineer – Fifteen (15) years professional technical experience developing, designing, integrating and testing Directed Energy systems for U.S. Navy/Joint warfare applications. Ten

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(10) years engineering expertise in solving technical problems that arise from the development and design of various Directed Energy systems. Ten (10) years experience related to specific technology areas of this contract, including HPM systems, Pulsed Power, High Voltage and Prime Power systems, HPM sources, RF systems, electromagnetic pulse, EMI and Electromagnetic Effects, prototyping and modeling and simulation. Recent experience on U.S. Navy/Joint HPM research and development programs.

Senior Systems Engineer - Ten (10) years professional technical experience in Navy experimental research and/or systems engineering programs. Ten (10) years experience in utilizing systems engineering techniques and procedures in design, development and implementation of U.S. Navy/Joint Directed Energy systems, targets and test assets. Ten (10) years experience with sensors and systems. Experience with U.S. Navy/Joint Directed Energy research and development programs is desired. Five (5) years experience with DOD operational, research, development and intelligence organizations as well as experience with the operational Navy.

Senior Electrical Engineer– Ten (10) years professional technical experience in pulsed power research, development and test and evaluation of a wide variety of pulsed power systems or in research, design and development for U.S. Navy/Joint warfare applications. Ten (10) years experience with high voltage, high peak power spark-gaps, high voltage power supplies, fast transient diagnostics and EMI/EMC mitigation techniques or design, development, and fabrication of a wide array of electronic printed circuit boards. Five (5) years experience in all aspects of laboratory and field testing, including setting test goals, developing test methodologies, organizing and conducting tests, reducing test data, and analyzing results. Must be familiar with modeling and simulation programs related to pulsed power or electronic systems.

Senior RF Engineer - Ten (10) years professional technical experience in design, development and implementation of digital hardware and software related to RF systems or in design, development, test and evaluation of HPM systems. Ten (10) years experience in RF/Microwave signal generation and test equipment; vacuum devices, tubes, radars and high power RF systems, and digital signal processing or with HPM source testing and evaluation. Five (5) years experience in all aspects of laboratory and field testing, including setting test goals, developing test methodologies, organizing and conducting tests, reducing test data and analyzing results.

Senior Mechanical Engineer – Ten (10) years professional technical experience in the mechanical design of Directed Energy systems. Five (5) years experience in the design and development of high-voltage or RF systems. Five (5) years experience in integration of Directed Energy systems into land, air or shipboard applications. Current experience using 3D CAD software.

Senior Electronics Technician - Ten (10) years experience in supporting the design, development, test, and evaluation of a wide variety of electronic and electromagnetic sensors and systems. Ten (10) years experience in setting up and conducting laboratory and field tests; in the fabrication of electronic and electro-mechanical components and subsystems; and in the integration of electronic and electromagnetic components and systems in U.S. Navy/Joint systems and platforms. Five (5) years experience in providing technical supervision/direction to

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other technicians for day to day tasking.

Senior RF Technician - Ten (10) years experience in supporting the design, development, test, and evaluation of a wide variety of RF sensors, antennas and systems. Ten (10) years experience in setting up and conducting laboratory and field tests; in the fabrication of RF components and subsystems; and in the integration of RF systems and components in U.S. Navy/Joint systems and platforms.

Senior Pulsed Power/High Voltage Technician- Ten (10) years experience in supporting the design, development, test, and evaluation of a wide variety of Pulsed Power and High Voltage systems. Ten (10) years experience in setting up and conducting laboratory and field tests; in the fabrication of Pulsed Power and High Voltage components and subsystems; and in the integration of Pulsed Power and High Voltage in U.S. Navy/Joint systems and platforms.

Non-Key Personnel are the personnel proposed to provide hours in labor categories that are not identified as Key.

NON-KEY LABOR CATEGORY DESIRED QUALIFICATIONS

Systems Engineer - Five (5) years experience in Directed Energy applications. Three (3) years experience with U.S. Navy/Joint Directed Energy systems and system/platform integration. Experience with HPM sources is highly desirable.

Electrical Engineer – Five (5) years experience in electromagnetic system design, analysis and test. Three (3) years experience with U.S. Navy/Joint Directed Energy systems. Three (3) years experience in design, development and test of HPM, Pulsed Power and High Voltage systems. Experience with Pulsed Power or High Powered system and platform integration is highly desirable.

RF Engineer – Five (5) years experience in design, development and implementation of analog and digital hardware and software related to RF systems, or HPM systems. Three (3) years experience in the areas of signal generation, vacuum devices, high powered RF systems, digital signal processing, bench and system level testing of electronics components for Directed Energy systems, or HPM source testing and evaluation. Three (3) years experience in laboratory and field testing, including conducting tests, reducing test data and analyzing results. Experience with RF system and platform integration is highly desirable.

Mechanical Engineer – Five (5) years experience in mechanical design and test. Three (3) years experience in mechanical engineering design and development. Three (3) years experience in use of 3D CAD programs. Experience with high voltage, RF, electromagnetics and military designs highly desirable.

Software Engineer – Five (5) years experience in software engineering applied to program development, modeling and/or simulation. Three (3) years experience with Navy/Joint programs and/or systems. Experience with Directed Energy systems and platform integration highly

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desirable.

Electronics Technician – Five (5) years experience in the operation, troubleshooting, and repair of a wide variety of electronic, electromagnetic sensors and supporting instrumentation and electrical and electronic test equipment. Experience in setting up and conducting laboratory and field tests is highly desirable.

Mechanical Technician – Five (5) years experience in mechanical enclosures and structures, plumbing, HVAC maintenance, generator maintenance hardware assembly and machining parts. Must be certified as a fork lift operator. Experience in setting up and conducting laboratory and field tests is highly desirable.

Technician – Three (3) years experience in a wide variety of electrical, mechanic systems and in set up of test beds and use of measurement instrumentation.

Security Specialist - Three (3) years experience in DOD security policies and procedures. Must have a working knowledge of Top Secret security policies and procedures. Three (3) years experience with U.S. Navy/Joint programs. Must have specialized security training.

Technical Writer – Three (3) years experience in the preparation, review and formalization of technical reports. Three (3) years experience in the formalization of technical reports and conference proceedings. Must be experienced in security procedures and classified document tracking and maintenance. Experience with U.S. Navy/Joint programs and the science and technology R&D environment is highly desirable.

Additional Information

Accumulation of Qualifying Experience – Experience may be accumulated concurrently. All experience must be clearly supported by the resume or it will be discounted during the evaluation.

Professional Certifications and Development - Professional development includes honors, degrees, publications, professional licenses, accreditations, and certifications that directly impact the offerors ability to perform the contract. Retention of these credentials, as required to maintain accreditation, throughout the duration of the contract is the responsibility of the contractor. The years of experience listed above are in addition to appropriate professional development. It is incumbent upon the offeror to demonstrate that the proposed personnel have the necessary credentials and accreditations to perform the work.

5252.237-9106 Substitution of Personnel (Sep 1990)

(a) The Contractor agrees that a partial basis for award of this contract is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this contract those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the contract. No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement. (b) All proposed substitutes shall have qualifications equal to or higher than the qualifications of the person to be replaced. The

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Contracting Officer shall be notified in writing of any proposed substitution at least forty-five (45) days*, or ninety (90) days* if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include: (1) an explanation of the circumstances necessitating the substitution; (2) a complete resume of the proposed substitute; and (3) any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

Ddl-H13 POST AWARD CONTRACTOR PERSONNEL APPROVAL

(a) Requests for post award approval of additional and/or replacement Resumed Key personnel shall be submitted via e-mail. E-mail submissions shall be made simultaneously to the Contract Specialist and the COR. Electronic notification via e-mail from the Contract Specialist will serve as written approval/disapproval on behalf of the Contracting Officer. This approval is required before an individual may begin charging to the Task Order.

(b) It is desired that resumes be submitted in the format required below. However, in order to expedite contract administration, contractor format may be used providing sufficient information is submitted for an independent comparison of the individual's qualifications with labor category requirements.

(c) If the employee is not a current employee of the contractor (or a subcontractor), a copy of the accepted offer letter (which identifies a projected start date and the agreed to annual salary) shall be provided.

RESUME FORMAT AND CONTENT REQUIREMENTS

RESUME FORMAT AND CONTENT: In order to facilitate evaluation, all resumes shall be provided in the following format:

Complete Name

Task Order Labor Category / Contractor Labor Category

Percentage of time to be allocated to this effort

Current security clearance level per JPAS (identify if interim or final)

Current work location and planned work location upon award of this Task Order

Note if the individual is key on another contract with a period of performance that will overlap this requirement. Note plans to satisfy both contracts if the Offeror is selected for award.

Chronological Work History / Experience – Show experience and date(s) as follows:

(a) Employer: Dates (month/year); Title(s) held

(b) Work experience shall be presented separately for each employer, clearly marked with proper category of experience (i.e, Relevant Experience; Non-Relevant Experience.). If relevant and non-relevant experience were obtained while at the same employer, separate time periods shall be noted for each assignment. (This is necessary to prevent an offeror from describing

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relevant experience obtained in a six month assignment for Company A as applicable to the entire 10-year employment with that firm and to ensure offerors' proposals are evaluated on an equal basis). Responsibilities shall be discussed in sufficient detail for each assignment so as to permit comparison with desired experience levels in Section H. Specific examples of work assignments, accomplishments, and products shall be provided.

(c) Phrases such as "assisted with", "participated in", or "supported" are UNACCEPTABLE except as introductory to a detailed description of the actual work performed. If no such description is provided, the sentence or bulleted information will NOT be considered in the resume evaluation process. This is because evaluators would not be able to identify the specific technical work contributions made by the individual.

(d) Resume information is encouraged to be presented in bullet format. This will allow evaluators to focus on relevant information.

(e) Offerors shall note that the lack of specific definition in job responsibilities, services performed or products produced may be viewed as a lack of understanding of the Government's overall technical requirements.

(f) All relevant military experience claimed shall be described such that each relevant tour is treated as a separate employer. Time frames/titles/responsibilities shall be provided in accordance with the level of detail prescribed above. Military experience not documented in this manner will not be considered.

(g) Gaps in experience shall be avoided.

(h) The cut-off date for any experience claimed shall be the closing date of the solicitation.

(i) PROFESSIONAL DEVELOPMENT – Show any honors, degrees, publications, professional licenses, specialized certifications and other evidence of professional accomplishments that are directly relevant and impact the offeror's ability to perform under the Task Order. For education and training, the following format is preferred:

Academic: Degree(s); Date(s); Institution; Major/Minor

Non-Academic: Course title, date(s), approximate length

Professional licenses and specialized certifications. Note the date obtained for each, as well as the

date when each license/certification requires renewal.

(j) Certification of correctness of information signed and dated by both the person named and the Offeror. The employee certification shall include the following statement:

CERTIFICATION: "I certify that the experience and professional development described herein are complete and accurate in all respects. I consent to the disclosure of my resume for NSWCCD

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Solicitation N00024-11-R-3223 by _____ (insert Offeror's company name) and intend to make myself available to work under any resultant contract to the extent proposed."

Employee Signature and Date

Offeror Signature and Date

Resumes without this certification will be unacceptable and will not be considered. The employee certification shall not be dated earlier than the issue date of this solicitation.

(k) If the employee is not a current employee of the offeror (or a proposed subcontractor), a copy of the accepted offer letter shall be provided. The letter shall identify the projected start date. The Cost Proposal shall include documentation that identifies the agreed-to salary amount.

NAVSEA 5252.242-9115 TECHNICAL INSTRUCTIONS (APR 1999)

(a) Performance of the work hereunder shall be subject to written technical instructions issued electronically by the Contract Specialist on behalf of the Contracting Officer. As used herein, technical instructions are defined to include the following:

(1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual SOW.

(2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(b) Technical instructions must be within the general scope of work stated in the order. Technical instructions may not be used to: (1) assign additional work under the order; (2) direct a change as defined in the "CHANGES" clause of the basic contract; (3) increase or decrease the estimated order amount (including fee), as applicable, the level of effort, or the time required for task order performance; or (4) change any of the terms, conditions or specifications of the order.

(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the order or is inconsistent with this requirement, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Contracting Officer that the technical instruction is within the scope of this order.

(d) Nothing in the foregoing paragraph shall be construed to excuse the Contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

FUNDING PROFILE

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It is estimated that these incremental funds will provide for the number of hours of labor stated below. The following details funding to date:

CLIN	Total CPFF	Funding this Mod	Previous Funding	Total Funded	Amount Unfunded
Base					
4000	\$5,636,760	\$0	\$5,274,141	\$5,274,141	\$362,619
4010	\$0	\$0	\$0	\$0	\$0
6000	\$966,528	\$0	\$948,125	\$948,125	\$18,403
6010	\$0	\$0	\$0	\$0	\$0
Total Base	\$6,603,288	\$0	\$6,222,266	\$6,222,266	\$381,022
Option 1					
4100	\$4,212,939	\$0	\$4,212,840	\$4,212,840	\$99
4110	\$913,240	\$0	\$510,200	\$510,200	\$403,040
6100	\$404,389	\$0	\$403,481	\$403,481	\$908
6110	\$139,692	\$0	\$58,000	\$58,000	\$81,692
Total Option 1	\$5,670,260	\$0	\$5,184,521	\$5,184,521	\$485,739
Option 2					
4200	\$4,878,627	\$67,000	\$2,917,316	\$2,984,316	\$1,894,311
4210	\$559,593	\$0	\$0	\$0	\$559,593
6200	\$730,405	\$2,000	\$551,289	\$553,289	\$177,116
6210	\$70,441	\$0	\$0	\$0	\$70,441
Total Option 2	\$6,239,066	\$69,000	\$3,468,605	\$3,537,605	\$2,701,461
Total Order	\$18,512,614	\$69,000	\$14,875,392	\$14,944,392	\$3,568,222

NAVSEA 5252.232-9104 ALLOTMENT OF FUNDS (JAN 2008)

(a) This contract is incrementally funded with respect to both cost and fee. The amount(s) presently available and allotted to this contract for payment of fee for incrementally funded contract line item number/contract subline item number (CLIN/SLIN), subject to the clause entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE" (FAR 52.216-10), as appropriate, is specified below. The amount(s) presently available and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this contract entitled "LIMITATION OF FUNDS" (FAR 52.232-22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

	Allocated to Cost	Fee	Total CPFF	Estimated Period Funded
Base				
4000			\$5,274,141	10/3/2012
4010			\$0	
6000			\$948,125	
6010			\$0	
Total Base			\$6,222,266	
Option 1				
4100			\$4,212,840	10/27/2013
4110			\$510,200	5/19/2013
6100			\$403,481	
6110			\$58,000	

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Total Option 1		\$5,184,521	
Option 2			
4200		\$2,984,316	3/17/2014
4210		\$0	10/28/2013
6200		\$553,289	
6210		\$0	
Total Option 2		\$3,537,605	
Total Order		\$14,944,392	

(b) The parties contemplate that the Government will allot additional amounts to this contract from time to time for the incrementally funded CLINs/SLINs by unilateral contract modification, and any such modification shall state separately the amount(s) allotted for cost, the amount(s) allotted for fee, the CLINs/SLINs covered thereby, and the period of performance which the amount(s) are expected to cover.

(c) CLINs/SLINs _____ are fully funded and performance under these CLINs/SLINs is subject to the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20).

(d) The Contractor shall segregate costs for the performance of incrementally funded CLINs/SLINs from the costs of performance of fully funded CLINs/SLINs.

5252.216-9122 LEVEL OF EFFORT – ALTERNATE 1 (MAY 2010)

(a) The Contractor agrees to provide the total level of effort specified below in performance of the work described in Sections B and C of this task order. The total level of effort for the performance of this task order shall be _____ man-hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort.

	Total Labor Hours	Compensated	Uncompensated
Base Period (CLIN 4000)			
Base Period Surge (CLIN 4010)			
Option 1 (CLIN 4100)			
Option 1 Surge (CLIN 4110)			
Option 2 (CLIN 4200)			
Option 2 Surge (CLIN 4210)			
GRAND TOTAL HOURS			

(b) Of the total man-hours of direct labor set forth above, it is estimated that _____ man-hours are uncompensated effort. Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. Total Times Accounting (TTA) efforts are included in this definition. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the Contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

(c) Effort performed in fulfilling the total level of effort obligations specified above shall only include effort performed in direct support of this contract and shall not include time and effort expended on such things as (local travel to and from an employee's usual work location), uncompensated effort while on travel status, truncated lunch periods, work (actual or inferred) at an

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employee's residence or other non-work locations (except as provided in paragraph (i) below), or other time and effort which does not have a specific and direct contribution to the tasks described in Sections B and C.

(d) The level of effort for this contract shall be expended at an average rate of approximately **800** hours per week. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

(e) If, during the term hereof, the Contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total man-hours of effort specified above would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fee together with an offer, setting forth a proposed level of effort, cost breakdown, and proposed fee, for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law, regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The Contractor shall not accelerate any effort until receipt of such written approval by the Contracting Officer. Any agreement to accelerate will be formalized by contract modification.

(f) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total man-hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The Contractor shall acknowledge this order within five days of receipt.

(g) The Contractor shall provide and maintain an accounting system, acceptable to the Administrative Contracting Officer and the Defense Contract Audit Agency (DCAA), which collects costs incurred and effort (compensated and uncompensated, if any) provided in fulfillment of the level of effort obligations of this contract. The Contractor shall indicate on each invoice the total level of effort claimed during the period covered by the invoice, separately identifying compensated effort and uncompensated effort, if any.

(h) Within 45 days after completion of the work under each separately identified period of performance hereunder, the Contractor shall submit the following information in writing to the Contracting Officer with copies to the cognizant Contract Administration Office and to the DCAA office to which vouchers are submitted: (1) the total number of man-hours of direct labor expended during the applicable period; (2) a breakdown of this total showing the number of man-hours expended in each direct labor classification and associated direct and indirect costs; (3) a breakdown of other costs incurred; and (4) the Contractor's estimate of the total allowable cost incurred under the contract for the period. Within 45 days after completion of the work under the contract, the Contractor shall submit, in addition, in the case of a cost underrun; (5) the amount by which the

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estimated cost of this contract may be reduced to recover excess funds. All submissions shall include subcontractor information.

(i) Unless the Contracting Officer determines that alternative worksite arrangements are detrimental to contract performance, the Contractor may perform up to 10% of the hours at an alternative worksite, provided the Contractor has a company-approved alternative worksite plan. The primary worksite is the traditional “main office” worksite. An alternative worksite means an employee’s residence or a telecommuting center. A telecommuting center is a geographically convenient office setting as an alternative to an employee’s main office. The Government reserves the right to review the Contractor’s alternative worksite plan. In the event performance becomes unacceptable, the Contractor will be prohibited from counting the hours performed at the alternative worksite in fulfilling the total level of effort obligations of the contract. Regardless of work location, all contract terms and conditions, including security requirements and labor laws, remain in effect. The Government shall not incur any additional cost nor provide additional equipment for contract performance as a result of the Contractor’s election to implement an alternative worksite plan.

(j) Notwithstanding any of the provisions in the above paragraphs and subject to the LIMITATION OF FUNDS or LIMITATION OF COST clauses, as applicable, the period of performance may be extended and the estimated cost may be increased in order to permit the Contractor to provide all of the man-hours listed in paragraph (a) above. The contractor shall continue to be paid fee for each man-hour performed in accordance with the terms of the contract.

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SECTION I CONTRACT CLAUSES

CLAUSES INCORPORATED BY REFERENCE

52.222-41	Service Contract Act of 1965 (Nov 2007)
52.223-18	Contractor Contractor Policy to Ban Text Messaging While Driving (SEP 2010)
52.227-1	Authorization and Consent (DEC 2007) (ALT 1)
52.227-2	Notice and Assistance regarding Patent and Copyright Infringement (DEC 2007)
52.227-11	Patent Rights-Ownership by the Contractor (DEC 2007)
52.251-1	Government Supply Sources (APR 1984)
252.204-7000	Disclosure of Information (DEC 1991)
252.204-7008	Export Controlled Items (APR 2010)
252.222-7006	Restrictions on the use of Mandatory Arbitration Agreements (DEC 2010)
252.227-7013	Rights in Technical Data-Noncommercial Items (NOV 1995)
252.227-7014	Rights in NonCommerical Computer Software and NonCommerical Computer Software Documentation (Jun 1995)
252.227-7016	Rights in Bid or Proposal Information (JUN 1995)
252.227-7019	Validation of Asserted Restrictions-Computer Software (JUN 1995)
252.227-7025	Limitations on the Use or Disclosure of Government - Furnished Information Marked with Restrictive Legends (JUN 1995)
252.227-7028	Technical Data or Computer Software Previously Delivered to the Government (JUN 1995)
252.227-7030	Technical Data-Withholding or Payment (MAR 2000)
252.227-7037	Validation of Restrictive Markings on Technical Data (SEP 1999)
252.227-7038	Patent Rights-Ownership by the Contractor (Large Business) (DEC 2007)
252.227-7039	Patents-Reporting of Subject Inventions (APR 1990)
252.239-7001	Information Assurance Contractor Training and Certification (JAN 2008)
252.251-7000	Ordering From Government Supply Sources (NOV 2004)

CLAUSES INCORPORATED BY FULL TEXT:

52.204-99 SYSTEM FOR AWARD MANAGEMENT REGISTRATION (DEVIATION)(AUG 2012)

(a) Definitions. As used in this clause—

“Central Contractor Registration (CCR) database” means the retired primary Government repository for Contractor information required for the conduct of business with the Government.

“Commercial and Government Entity (CAGE) code” means—

(1) A code assigned by the Defense Logistics Agency (DLA) Logistics Information Service to identify a commercial or Government entity; or

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(2) A code assigned by a member of the North Atlantic Treaty Organization that DLA records and maintains in the CAGE master file. This type of code is known as an “NCAGE code.”

“Data Universal Numbering System (DUNS) number” means the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities.

“Data Universal Numbering System+4 (DUNS+4) number” means the DUNS number means the number assigned by D&B plus a 4-character suffix that may be assigned by a business concern. (D&B has no affiliation with this 4-character suffix.) This 4-character suffix may be assigned at the discretion of the business concern to establish additional SAM records for identifying alternative Electronic Funds Transfer (EFT) accounts (see the FAR at Subpart 32.11) for the same concern.

“Registered in the SAM database” means that—

(1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the SAM database;

(2) The Contractor’s CAGE code is in the SAM database; and

(3) The Government has validated all mandatory data fields, to include validation of the Taxpayer Identification Number (TIN) with the Internal Revenue Service (IRS), and has marked the record “Active”. The Contractor will be required to provide consent for TIN validation to the Government as a part of the SAM registration process.

“System for Award Management (SAM)” means the primary Government repository for prospective federal awardee information and the centralized Government system for certain contracting, grants, and other assistance related processes. It includes—

(1) Data collected from prospective federal awardees required for the conduct of business with the Government;

(2) Prospective contractor submitted annual representations and certifications in accordance with FAR Subpart 4.12; and

(3) The list of all parties suspended, proposed for debarment, debarred, declared ineligible, or excluded or disqualified under the nonprocurement common rule by agencies, Government corporations, or by the Government Accountability Office.

(b)(1) The Contractor shall be registered in the SAM database prior to submitting an invoice and through final payment of any contract, basic agreement, basic ordering agreement, or blanket purchasing agreement resulting from this solicitation.

(2) The SAM registration shall be for the same name and address identified on the contract, with its associated CAGE code and DUNS or DUNS+4.

(3) If indicated by the Government during performance, registration in CCR may be required in lieu of SAM.

(c) If the Contractor does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.

(1) A contractor may obtain a DUNS number—

(i) Via the internet at <http://fedgov.dnb.com/webform> or if the contractor does not have internet

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access, it may call Dun and Bradstreet at 1-866-705-5711 if located within the United States; or

(ii) If located outside the United States, by contacting the local Dun and Bradstreet office. The contractor should indicate that it is a contractor for a U.S. Government contract when contacting the local Dun and Bradstreet office.

(2) The Contractor should be prepared to provide the following information:

(i) Company legal business name.

(ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.

(iii) Company physical street address, city, state and Zip Code.

(iv) Company mailing address, city, state and Zip Code (if separate from physical).

(v) Company telephone number.

(vi) Date the company was started.

(vii) Number of employees at your location.

(viii) Chief executive officer/key manager.

(ix) Line of business (industry).

(x) Company Headquarters name and address (reporting relationship within your entity).

(d) Reserved.

(e) Processing time for registration in SAM, which normally takes five business days, should be taken into consideration when registering. Contractors who are not already registered should consider applying for registration at least two weeks prior to invoicing.

(f) The Contractor is responsible for the accuracy and completeness of the data within the SAM database, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the SAM database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the SAM database to ensure it is current, accurate and complete. Updating information in the SAM does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(g)(1)(i) If a Contractor has legally changed its business name, "doing business as" name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in Subpart 42.12, the Contractor shall provide the responsible Contracting Officer sufficient documentation to support the legally changed name with a minimum of one business day's written notification of its intention to—

(A) Change the name in the SAM database;

(B) Comply with the requirements of subpart 42.12 of the FAR; and

(C) Agree in writing to the timeline and procedures specified by the responsible Contracting Officer.

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(ii) If the Contractor fails to comply with the requirements of paragraph (g)(1)(i) of this clause, or fails to perform the agreement at paragraph (g)(1)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the SAM information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the “Suspension of Payment” paragraph of the electronic funds transfer (EFT) clause of this contract.

(2) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the SAM record to reflect an assignee for the purpose of assignment of claims (see FAR Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the SAM database. Information provided to the Contractor’s SAM record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the “Suspension of payment” paragraph of the EFT clause of this contract.

(h) Contractors may obtain information on registration and annual confirmation requirements via the SAM accessed through <https://www.acquisition.gov> or by calling 866-606-8220, or 334-206-7828 for international calls.

52.217-9 OPTION TO EXTEND THE TERM OF THE TASK ORDER (MAR 2000) (NAVSEA VARIATION) (SEP 2009)

(a) The Government may extend the term of this contract by written notice(s) to the Contractor within the periods specified below. If more than one option exists the Government has the right to unilaterally exercise any such option whether or not it has exercised other options.

CLINs/PURPOSE	LATEST OPTION EXERCISE DATE
4010 Base Labor Surge	10/27/2012
4100 Option 1 Labor	10/27/2012
4110 Option 1 Labor Surge	10/27/2013
4200 Option 2 Labor	10/27/2013
4210 Option 2 Labor Surge	10/27/2014
6010 Base ODC Surge	10/27/2012
6100 Option 1 ODC	10/27/2012
6110 Option 1 ODC Surge	10/27/2013
6200 Option 2 ODC	10/27/2013
6210 Option 2 ODC Surge	10/27/2014

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

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(c) The total duration of this contract, including the exercise of any option(s) under this clause, shall not exceed three (3) years, however, in accordance with paragraph (g) of the requirement of this contract entitled "LEVEL OF EFFORT" (NAVSEA 5252.216-9122), if the total manhours delineated in paragraph (a) of the LEVEL OF EFFORT requirement, have not been expended within the period specified above, the Government may require the Contractor to continue to perform the work until the total number of manhours specified in paragraph (a) of the aforementioned requirement have been expended.

SERVICE CONTRACT ACT WAGE DETERMINATION(S)

(A) Due to the nature of some of the support required by the Performance Work Statement a Wage Determination has been determined to be necessary to ensure appropriate minimum wages and fringe benefits are paid to those non-exempt personnel performing under this Task Order. Work under this Task Order involves performance in King George and Attachment J.4 provides Rev. 11 to Wage Determination No.2005-2103 for the state of Virginia.

The following table provides a correlation between Task Order labor categories in Section H and the Wage Determination Occupations shown in Attachment J.4.

Task Order Category	Occupation Code
Senior Electronics Technician	30084
Senior RF Technician	30084
Senior Pulsed Power/High Voltage Technician	30084
Electronics Technician	30083
Mechanical Technician	30083
Technician	30082

52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (MAY 1989)

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each as if they were employed by the contracting agency subject to the provisions of 5 U.S.C.5341 or 5332.

This Statement for Information Only: *It is not a Wage Determination*

Employee Class

GS Equivalent

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Senior Electronics Technician	GS12
Senior RF Technician	GS12
Senior Pulsed Power/High Voltage Technician	GS12
Electronics Technician	GS11
Mechanical Technician	GS11
Computer/Networking Technician	GS11
Technician	GS9

**52.232-99 PROVIDING ACCELERATED PAYMENT TO SMALL BUSINESS
SUBCONTRACTORS (DEVIATION)(AUG 2012)**

This clause implements the temporary policy provided by OMB Policy Memorandum M-12-16, Providing Prompt Payment to Small Business Subcontractors, dated July 11, 2012.

(a) Upon receipt of accelerated payments from the Government, the contractor is required to make accelerated payments to small business subcontractors to the maximum extent practicable after receipt of a proper invoice and all proper documentation from the small business subcontractor.

(b) Include the substance of this clause, including this paragraph (b), in all subcontracts with small business concerns.

(c) The acceleration of payments under this clause does not provide any new rights under the Prompt Payment Act.

(End of clause)

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SECTION J LIST OF ATTACHMENTS

Attachment J.1 - TI-05, Rev. 05
 Attachment J.2 - TI-12, Rev. 02
 Attachment J.3 - TI-09, Rev. 01
 Attachment J.4 - TI-02, Rev. 05
 Attachment J.5 - TI-04, Rev. 06
 Attachment J.6 - TI-08, Rev. 04
 Attachment J.7 - TI-09, Rev. 01
 Attachment J.8 - DD Form 254, Contract Security Classification Specification
 Attachment J.9 - TI-18
 Attachment J.10 - TI-19
 Attachment J.11 - TI-20, Rev. 01
 Attachment J.12 - TI-21
 Attachment J.13 - TI-23
 Attachment J.14 - TI-24
 Attachment J.15 - TI 25. Rev.01
 Attachment J.16 - TI-26
 Attachment J.17 - TI-22
 Attachment J.18 - Technical Project Correlation Table
 Attachment J.19 - TI-27
 Attachment J.20 - TI-28
 Attachment J.21 - TI-29
 Attachment J.22 - TI-30
 Attachment J.23 - TI-31
 Attachment J.24 - TI-32
 Attachment J.25 - TI-33
 Attachment J.26 - TI-34
 Attachment J.27 - TI-19 BANE
 Attachment J.28 - TI-20 RAILGUN
 Attachment J.29 - TI-21 RF VESSELL
 Attachment J.30 - TI-23 DE
 Attachment J.31 - TI-24 PEVS
 Attachment J.32 - TI-26 SH PULSE LD
 Attachment J.33 - TI-27 NL UAV
 Attachment J.34 - TI-29 RFVS
 Attachment J.35 - TI-32 DTRA
 Attachment J.36 - TI-33 RADES
 Attachment J.37 - TI-34 DSLA
 Attachment J.38 - TI-30 SH PULSE CE
 Attachment J.39 - TI-35 ACE
 Attachment J.40 - TI-36 EW
 Attachment J.41 - TI 37 MBIOT