

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 7

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N68936-15-D-0004	2. DELIVERY ORDER/ CALL NO. 0015	3. DATE OF ORDER/ CALL (YYYYMMDD) 2015 Jan 09	4. REQ./ PURCH. REQUEST NO. 1300471173	5. PRIORITY
---	-------------------------------------	---	---	-------------

6. ISSUED BY CDR NAWCWD CODE 254300D ATTN: M. PETERSON (760) 939-1147 429 E BOWEN RD - STOP 4015 CHINA LAKE CA 93555	CODE N68936	7. ADMINISTERED BY (if other than 6) DCMA MANASSAS 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342	CODE S2404A	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
---	-------------	---	-------------	---

9. CONTRACTOR ENGLITY CORPORATION NAME (b) (4) AND 3750 CENTERVIEW DR ADDRESS CHANTILLY VA 20151-3200	CODE Q2NP8	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
			12. DISCOUNT TERMS	13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182264 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
--	------	---	-------------	---


16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1			

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

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

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA TEL: (760) 939-3728 EMAIL: john.faria@navy.mil BY: JOHN J. FARIA		25. TOTAL \$97,122.83
			26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN
 INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------------------	---

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
--	--------------	--------------------	--------------

f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
---------------------	-------------------	--	-------------	---------------------------------

36. I certify this account is correct and proper for payment.

a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	34. CHECK NUMBER
		35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
-----------------	-----------------	---------------------------------	----------------------	---------------------	---------------------

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF	(b) (4)	Hours		\$97,122.83
In accordance with the Statement of Work. This task order is severable.					
FOB: Destination					
ESTIMATED COST					\$ (b) (4)
FIXED FEE					\$ (b) (4)
TOTAL EST COST + FEE					\$97,122.83

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130047117300001	ACRN AA	\$24,999.00

PURCHASE REQUEST NUMBER: 1300471173

Section C - Descriptions and Specifications

STATEMENT OF WORK

Statement of Work
ESS V SOW for N68936-15-D-0004
Task Order 0015
Energetic Materials (EM) & Synthesis and Formulations Engineering Support
Version: 11/14/14
This is a Severable Task Order. PCS Code AC51
Applicable Contract SOW sections:
3.1.1, 3.1.2, 3.1.5, 3.1.10, 3.1.11, 3.2.1, 3.2.2, 3.2.3

1.0 BACKGROUND AND GENERAL SCOPE OF WORK

- 1.1 **BACKGROUND:** The purpose of this Performance Work Statement (PWS) is to provide the basic tasking requirements for contractor engineering support services to the Naval Air Warfare Center Weapons Division (NAWCWD) and its customers. The NAVAIR Weapons and Energetics Department, AIR 4.7, is the technical lead agent for this contract.
- 1.2 **GENERAL SCOPE OF WORK:** The Mission of NAWCWD is to provide our Armed Forces with effective and affordable integrated warfare systems and life-cycle support to ensure battlespace dominance; Perform Research Development Testing and Evaluation (RDT&E), in-service support for guided missiles, free-fall weapons, targets, support equipment, crew systems, and electronic warfare; Integrate weapons and avionics on tactical aircraft; Operate the Navy's western land and sea range test and evaluation complex; Develop and apply new technology to ensure battlespace dominance. RDT&E of guided missiles, advanced weapons and weapon systems; Perform RDT&E of complex weapon systems and software integration; Perform RDT&E of energetic materials and subsystems; Maintain, upgrade and operate facilities and test ranges for weapon system solutions for the warfighter; Provide Fleet training and tactics development, including major exercises on the Sea Range, Land Range, Superior Valley, and Electronic Combat Range; Perform Engineering/logistics for tactical missiles and free-fall weapons, T&E of weapons, weapon components, and integrated weapons systems in realistic environments; Operate, upgrade and maintain a national parachute test range; Provide Full-Scale Joint-Live-Fire survivability testing; Perform RDT&E on explosives and propellants from laboratory samples up to 500,000 pounds; Support Network Centric Warfare; interoperability, Modeling and simulation; Perform basic and applied research, science, and technology, RDT&E of full-scale and sub-scale targets; Support fleet training and tactics development, including major exercises on the Sea Range, Land Range, Superior Valley, and the Electronic Combat Range. Specific to the Energetics Research Division's responsibility is to advance the fundamental understanding of Energetic Materials and their components from "Cradle-to-Grave" in support of emerging Warfighter needs. This Task Order follows on previous work covering engineering support services related to the Research, Development, Test and Evaluation (RDT&E) of energetic materials (explosives, propellants & pyrotechnics) and their components (principally propellant, explosives and rocket motor/propulsion systems but also initiation systems, fuzes, warheads and decoy devices).

2.0 APPLICABLE DOCUMENTS The tasks will be developed iteratively/collaboratively with the contractor, tasking and supporting documentation will be provided through the contractor's "in-box" or direct communication.

2.1 Standard requirement documents (Government and Industry Specifications and Standards), reference texts, specific design requirements, and other references will be defined and or provided with the individual task description. The Government will provide all necessary reference documents not generally available to the contractor when required by individual tasks.

2.2 American National Standards Institute (ANSI) and International Standards Organization (ISO) standards may be invoked under individual task orders.

3.0 REQUIREMENTS The Contractor shall process energetic materials and components including the following: rocket motors, propellants, warheads, explosives and utilize associated characterization and analysis equipment. The contractor shall provide energetic material, explosives and hazardous chemical handling. The contractor shall review test data and perform analyses of the performance of units under test. The contractor shall formulate recommendations, with justification, to correct any test item performance, quality, maintenance, or problems impacting mission. The contractor shall collect test data and documents, review test documents, and prepare and produce test documents and reports. The contractor shall assist the Government with evaluation of test report content and recommend changes with supporting rationale. The government will provide training for contractor personnel to become certified as team leaders on Navy standard operating procedures to handle, store, and haul explosives on base. The contractor shall provide a certification letter qualifying the contractor to participate in energetic material tests as a team member. Travel may be required in the performance of this task. Additionally, contractors shall obtain and maintain NAWCWD energetic material, propellant, pyrotechnic explosive certifications. All inputs and task assignments will be provided to Contractor's in the form of supplemental instruction sheets via in-box basket, hand delivered, or electronic mail.

3.1 DESIGN ENGINEERING AND REVIEW The contractor shall provide engineering design, design review, analysis, support, and services relative to RDT&E of EMs, manufacture, service-life monitoring and assessment or demilitarization of their components as defined (CDRL A005).

3.2 TECHNOLOGY SUPPORT The contractor shall perform engineering analyses and conduct technical studies to support research, development, test and evaluation of EMs and their systems including: technician support, systems engineering and test evaluation technology. The contractor shall report the results of such activities along with recommendations and the basis for those recommendations. Technology support will be in the following areas: Materials synthesis, preparation, and characterization to include laboratory experimentation; formulation development, process design and reviews. These support efforts are conducted in the area of energetic materials that include explosive and propellant formulations. (CDRL A005)

3.3 TEST ANALYSIS AND REPORTS The contractor shall formulate recommendations, with justification, to correct any test item performance, quality, maintenance, or problems impacting mission. The contractor shall recommend improvements, with justification, to design, configuration, materials, construction, or other criteria. The contractor shall collect test data and documents, review test documents, and prepare and produce test documents and reports. The contractor shall assist the Government with evaluation of test report content and recommend changes with supporting rationale. (CDRL's A00D, A00A, A005)

4.0 SPECIAL CONSIDERATIONS

4.1 CONTRACT STATUS REPORTING: The Contractor shall submit a monthly status report outlining the tasks completed for that month and the planned tasking for the following month. (CDRL A00E)

4.2 PLACE OF PERFORMANCE: Contractor support will be provided on-site at NAWCWD, China Lake.

5.0 SECURITY: The personnel supporting this SOW shall require a SECRET security clearance. The contractor will be required to safeguard and generate classified material, up to and including SECRET, during performance of this SOW.

6.0 TRAVEL: The following long distance travel is anticipated and is authorized in accordance with the SOW and with written approval from the Contracting Officer's Representative (COR):

Origination Point: Destination: Approximate Days: No. of trips: No. of Personnel:

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	Government
000101	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000101	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000

COST CODE: A00002669194

AMOUNT: \$24,999.00

CIN 130047117300001: \$24,999.00

CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N68936-15-D-0004	2. DELIVERY ORDER/ CALL NO. 0016	3. DATE OF ORDER/ CALL (YYYYMMDD) 2014 Dec 30	4. REQ./ PURCH. REQUEST NO. 1300470776	5. PRIORITY
---	-------------------------------------	---	---	-------------

6. ISSUED BY CDR NAWCWD CODE 254300D ATTN: C. SAX (760) 939-3964 429 E BOWEN RD - STOP 4015 CHINA LAKE CA 93555	CODE N68936	7. ADMINISTERED BY (if other than 6) DCMA MANASSAS 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342	CODE S2404A	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
--	-------------	---	-------------	---

9. CONTRACTOR ENGLITY CORPORATION NAME (b) (4) AND 3750 CENTERVIEW DR ADDRESS CHANTILLY VA 20151-3200	CODE 02NP8	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
			12. DISCOUNT TERMS	13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182264 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
--	------	---	-------------	---


16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1			

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

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

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA TEL: (760) 939-3728 EMAIL: john.faria@navy.mil BY: JOHN J. PARIA		25. TOTAL \$145,319.97
			26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN
 INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------------------	---

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
--	--------------	--------------------	--------------

f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
36. I certify this account is correct and proper for payment.		31. PAYMENT		34. CHECK NUMBER
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER			35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
-----------------	-----------------	---------------------------------	----------------------	---------------------	---------------------

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF	(b) (4)	Hours		\$137,005.09
In accordance with the Statement of Work. This task order is severable. FOB: Destination					
ESTIMATED COST					\$ (b) (4)
FIXED FEE					\$ (b) (4)
TOTAL EST COST + FEE					<u>\$137,005.09</u>

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130047077600001	ACRN AA	\$4,999.00
PURCHASE REQUEST NUMBER: 1300470776		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Other Direct Costs - Materials COST		Lot		\$8,314.88
In accordance with the Statement of Work. This task order is severable. FOB: Destination					
ESTIMATED COST					\$8,314.88

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	For Navy Accounting Purposes Only	
CIN: 130047077600001	ACRN AA	\$1.00
PURCHASE REQUEST NUMBER: 1300470776		

N68936-15-D-0004

0016

Page 3 of 8

Section C - Descriptions and Specifications

STATEMENT OF WORK

Statement of Work

N68936-15-D-0004

Task Order # 0016

Period of Performance: 1 January 2015 – 31 December 2015

Title: RDT&E Dynamic Test Area

Version: 11-16-14

This is a severable Task Order, PSC coded R425

Applicable Contract SOW sections:

3.2.2, 3.3.2, and 3.4

1.0 BACKGROUND AND GENERAL SCOPE OF WORK

1.1 BACKGROUND: The Dynamic Test Area behind the China lake Propulsion Laboratory Gate is used to simulate dynamic motion and shock comparable to actual use on aircraft and vehicle transportation, storage handling, or launch from surface or air weapon system platforms. This test series includes dynamic physical shock/vibration and climatic temperature/humidity shock. There are no other comparable dynamic test fixtures on China Lake that can test weapon systems with energetic material loaded into the warhead or propulsion system.

1.2 GENERAL SCOPE OF WORK: This Statement of Work (SOW) covers required support for the Ordnance Test and Evaluation Division to provide support for Research, Development, Test, and Evaluation (RDT&E) operations for the Naval Air Systems Command Weapons Division and other Department of Defense and government contractors. The contractor shall provide test and test support, installation support and management analysis to include technical services in the areas of; environmental test engineering for planning, procurement, preparing for, performing, analyzing, and documenting results, for weapons systems and related items.

2.0 APPLICABLE DOCUMENTS. The following documents are applicable to this SOW to the extent specified herein.

2.1 SPECIFICATIONS, STANDARDS, AND HANDBOOKS.

- AdPub 015: NAWCWPNS Publication Handbook for Technical Memorandum Format dated January 1994.
- SOP 4730-0001, GENERAL AREA INSTRUCTIONS FOR THE ORDNANCE TEST AND

EVALUATION DIVISION

- MIL-STD-810: DoD Test Method Standard for Environmental Engineering Considerations/Laboratory Test
- MIL-STD-2105: DoD Test Method Standard for Hazardous Assessment Tests for Non-Nuclear Munitions.
- MIL-STD 901: Ship Shock. High Impact Shipboard Machinery, Equipment, and Systems, Requirement for

2.2 Other Government Documents, Drawings, and Publications.

- Navy/DOD/OPNAV Instructions as provided by the Government

3.0 REQUIREMENTS. Work tasking will be provided in task assignments provided in the Contractor's in-basket or email. If specific Government format for schedules and reports is not provided, Government approved Contractor formats are allowed for all written submissions. The Contractor is expected to comply with the quality assurance surveillance plan in the basic contract.

3.1 TEST AND TEST SUPPORT The Contractor shall provide testing and test support for test planning, test performance, test data analysis and documentation as defined by the following requirements.

3.1.1 The Contractor shall develop and/or review test plans and procedures for instrumentation/data acquisition operations and requirements. All findings and recommendations shall be documented in Contractor format and submitted to the Government Technical Assistant (TA). (CDRL A005)

3.2 INSTALLATION SUPPORT The Contractor shall, identify all test machines that would require the following; disassembly and relocation, inspection, fabrication of machine parts, repairing and/or rebuilding, and testing to the OEM specifications of the systems located in the Dynamic Test Area. All findings and recommendations shall be documented in Contractor format and submitted to the Government TA.

3.2.1 The Contractor shall execute all coordination for requirements necessitating disassembly and relocation, inspection, fabrication, repairing and/or rebuilding, and testing to ensure the system's correct configuration per the findings and recommendations.

3.3 MANAGEMENT ANALYSIS

3.3.1 The Contractor shall research and analyze current and projected RDT&E operational requirements for cost reduction and work improvement. The Contractor shall recommend solutions for cost reduction and operational improvement and provide the Government with an analysis to determine the feasibility of implementing the recommended solutions and as well as supporting the acquisition of key components to support the applicable tests. (CDRL A005)

3.3.2 The Contractor shall perform technical administrative services such as meeting assistance, briefings and presentations, project reports, data management, data maintenance, and distribution.

3.3.3 The Contractor shall provide management assistance of RDT&E weapon systems programs and testing such as planning, implementation, scheduling, and reporting.

3.3.4 MANAGEMENT EVALUATION, STATUS REVIEWS, AND REPORTS The Contractor shall prepare and submit bi-weekly reports on all charges for personnel and other direct costs for the contract to the Technical Assistant (TA). (CDRL A00E) The Contractor shall provide monthly reports of completed, ongoing, and anticipated future preventative and scheduled maintenance activities to the TA, in support of this task order. The contractor shall generate Final Summary Reports to be delivered by 30 August 15 and 30 November 14. (CDRL A005)

4.0 SPECIAL CONSIDERATIONS

4.1 Contract Status Reporting. The following CDRLs apply to this SOW: Technical Report - Study/Services (CDRL A005).
Technical Data Package (CDRL A00B).
Incurred Cost and Reporting (CDRL A00E).

4.2 Place of Performance . Work shall be performed at the Ordnance Test and Evaluation facilities at China Lake, CA.

5.0 SECURITY. All personnel working under this SOW shall have a Secret clearance.

6.0 Travel. None

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	Government
000101	Destination	Government	Destination	Government
0002	N/A	N/A	N/A	Government
000201	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000101	N/A	N/A	N/A	N/A
0002	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000201	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 251 77777 0 050120 2F 000000

COST CODE: A00002665378

AMOUNT: \$5,000.00

CIN 130047077600001: \$5,000.00

CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N68936-15-D-0004	2. DELIVERY ORDER/ CALL NO. 0017	3. DATE OF ORDER/ CALL (YYYYMMDD) 2014 Dec 24	4. REQ./ PURCH. REQUEST NO. 1300470548	5. PRIORITY
---	-------------------------------------	---	---	-------------

6. ISSUED BY CDR NAWCWD CODE 254300D ATTN: C. SAX (760) 939-3964 429 E BOWEN RD - STOP 4015 CHINA LAKE CA 93555	CODE N68936	7. ADMINISTERED BY (if other than 6) DCMA MANASSAS 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342	CODE S2404A	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
--	----------------	---	----------------	---

9. CONTRACTOR ENGLITY CORPORATION NAME (b) (4) AND 3750 CENTERVIEW DR ADDRESS CHANTILLY VA 20151-3200	CODE 02NP8	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
			12. DISCOUNT TERMS	13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182264 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
--	------	---	----------------	---


16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE, THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1			

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

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

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA TEL: (760) 939-3728 EMAIL: john.faria@navy.mil BY: JOHN J. FARIA	 CONTRACTING / ORDERING OFFICER	25. TOTAL \$766,746.88	26. DIFFERENCES
--	--	--	---------------------------	-----------------

27a. QUANTITY IN COLUMN 20 HAS BEEN
 INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------------------	---

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
--	--------------	--------------------	--------------

f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
---------------------	-------------------	--	-------------	---------------------------------

36. I certify this account is correct and proper for payment.

a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. CHECK NUMBER
			35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
-----------------	-----------------	---------------------------------	----------------------	---------------------	---------------------

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF	(b) (4)	Hours		\$760,431.73
In accordance with the Statement of Work. This task order is severable.					
FOB: Destination					
PURCHASE REQUEST NUMBER: 1300470548					
ESTIMATED COST					\$ (b) (4)
FIXED FEE					\$ (b) (4)
TOTAL EST COST + FEE					<u>\$760,431.73</u>

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130047054800002	ACRN AB	\$50,400.00
PURCHASE REQUEST NUMBER: 1300470548		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130047054800003	ACRN AC	\$38,000.00
PURCHASE REQUEST NUMBER: 1300470548		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000103	For Navy Accounting Purposes Only	
CIN: 130047054800004	ACRN AD	\$25,000.00
PURCHASE REQUEST NUMBER: 1300470548		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000104	For Navy Accounting Purposes Only	

CIN: 130047054800001	ACRN AA	\$93,960.64
----------------------	---------	-------------

PURCHASE REQUEST NUMBER: 1300470548

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002			Lot		\$1,039.36

Other Direct Costs - Materials

COST

In accordance with the Statement of Work. This task order is severable.

FOB: Destination

ESTIMATED COST	\$1,039.36
----------------	------------

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	For Navy Accounting Purposes Only	

CIN: 130047054800001	ACRN AA	\$1,039.36
----------------------	---------	------------

PURCHASE REQUEST NUMBER: 1300470548

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003			Lot		\$5,275.79

Other Direct Costs - Travel

COST

In accordance with the Statement of Work. This task order is severable.

FOB: Destination

ESTIMATED COST	\$5,275.79
----------------	------------

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000301	For Navy Accounting Purposes Only	
CIN: 130047054800001		ACRN AA
		\$5,000.00

PURCHASE REQUEST NUMBER: 1300470548

Section C - Descriptions and Specifications

STATEMENT OF WORK

Statement of Work

N68936-15-D-0004

Task Order 0017

Period of Performance 1 January 2015 – 31 December 2015

WEAPON SYSTEMS OF SYSTEMS ENGINEERING SUPPORT

Version: 11/17/2014

This is a Severable task order, PSC Code AC23

Applicable Contract SOW Sections:

3.1.1, 3.1.2, 3.2.1, 3.2.2, 3.2.3, 3.4.1, 3.4.2

1.0 Background and General Scope of Work

1.1 Background The function of the “Weapons Systems of Systems” group is to develop new interoperable systems and to integrate existing systems into an interoperable environment and capability. This work necessarily requires the development of new hardware and software systems and their attendant interfaces and specifications. Work under this task order requires the development of new systems and new ways to interface existing systems; hence the contractor must support emerging technology and must help to define this technology.

1.2 General Scope of work. This Task Order (TO) Statement of Work (SOW) covers systems engineering, design and development engineering, test and evaluation, field-engineering, and program management support for the System Engineering SOSE Divisions technical projects. Programs supported include Common Geopositioning System, Rapid Attack Information Dissemination Execution Relay (RAIDER), Digital Precision Strike Suite (DPSS), Network Enabled Weapon Control Interface Module (NEWCIM), Link16 and emerging data links and commercial digital communication methods such as 802.11/blue tooth/IP, Future Airborne Capability Environment (FACE), and fleet exercises supporting DOD and NGA tasks.

2.0 APPLICABLE DOCUMENTS. The following documents apply to this program and are to be used for reference:

- a. MIL-STD-6016
- b. Future Airborne Capability Environment Tech Standard Edition 2.1, and follow on standards as they emerge.
- c. IEEE 802.11
- d. Bluetooth Core Specification 4.1

3.0 REQUIREMENTS. The Contractor shall obtain information through meetings and the documentation referenced in section 2.0, as well as commercially available documentation that defines any device or method used in the Weapons Systems Center for Integration (WSCI) lab space, e.g. commercial standards such as 802.11 and any other documentation that is publicly available. Work Transmittals will be provided via the Contractor’s in-basket and/or electronic mail (E-mail), to set meeting dates, establish travel times, define document formats, identify significant project changes, or provide other definitive information needed in order to execute this SOW.

3.1 Design Engineering and Review

3.1.1 The contractor shall provide engineering designs, fabricate production prototypes, modify original designs, identify and complete design validation testing, and prepare technical data packages of systems, subsystems, equipment, and components for any hardware of software system used or developed by the WSCI lab. The contractor shall review and evaluate designs provided as Government Furnished Information (GFI) to establish compliance with WSCI mission requirements. This includes, analyses to identify potential impacts on performance, reliability, maintainability, user interface, logistics, schedule, and cost. The contractor shall perform verification, and

validation reviews of systems, equipment, assemblies, or modules to ensure that these items perform as specified by individual design specifications. The contractor shall provide a written evaluation of the design or design changes along with supporting rationale after completing the analysis. (CDRL A005)

3.1.2 The Contractor shall provide suggested format for Design Reviews and shall provide support in conduct of reviews in accordance with the Integrated Master Plan and Schedule.

3.2 Engineering Analysis

3.2.1 The Contractor shall perform selected engineering analyses to include, operations analyses, weapon system targeting analyses, trade-off analyses, Failure Modes and Effects Analyses, development approach analyses, and cost analyses. Results of these analyses shall be documented and, along with recommended courses of action, shall be provided to the customer. The format for these documents shall be in an MS Office compatible format.

3.2.2 The Contractor shall become familiar with the top-level program requirements for all of the programs and projects specified in section 1.0 of this SOW and perform analyses directed toward development of detailed system specification and interface control documents. These analyses shall include trade-offs between performance, cost, and schedule, with the objective of arriving at achievable requirements within programmatic constraints. Results of these analyses shall be documented and, along with recommended courses of action, shall be provided to the customer. The format for these documents shall be in an MS Office compatible format. (CDRL A003)

3.2.3 The Contractor shall perform field-engineering tasks in support of any program or project listed in section 1.0 of this SOW, to include set-up of equipment, training of operation and maintenance personnel, conduct of troubleshooting and resolution of problems, and performance of routine maintenance operations.

3.2.4 The Contractor shall develop methodologies in support of any program or project listed in section 1.0 of this SOW for ensuring that interface requirements are kept up-to-date, distributed to applicable organizations, and continually monitored to effect successful interfaces between external and internal systems. The Contractor shall provide support in effecting intra and inter system integration.

3.3 Test Plans and Procedures The Contractor in concert with government personnel shall develop test plans and procedures for any project or experiment conducted in the WSCI lab. (CDRL A00A)

3.4 Test Support The Contractor shall monitor the tests performed as defined in 3.3 above and document the test results. The Contractor shall prepare test reports detailing system performance or problems. (CDRL A003)

3.5 Test Analyses and Reports For any project or experiment conducted in the WSCI lab, The Contractor shall analyze test data, using commercially available tools such as Microsoft Excel, MATLAB, etc. to ensure compliance with specified requirements. The Contractor shall prepare test reports detailing system performance or problems. (CDRL A003)

3.6 Technical Administrative Support For any project or experiment conducted in the WSCI lab. The Contractor shall prepare program briefings and technical presentations using standard software tools such as Microsoft Office in support of briefings by government personnel to NAWCWD leadership.

3.7 Project Planning Support

3.7.1 For any project or experiment conducted in the WSCI lab, the Contractor, working in concert with government personnel, shall prepare an Integrated Master Plan (IMP), an Integrated Master Schedule (IMS), and a Work Breakdown Structure (WBS) with an associated WBS dictionary. The Contractor shall deliver the program plans to the government TA for approval. The format for these documents shall be in an MS Office compatible format. Updates to the plans shall be in accordance with feedback provided via Work Transmittal. The Contractor shall provide suggested format for Program Reviews, subject to government approval, and shall provide support in conduct of reviews in accordance with the Integrated Master Plan and Schedule. (CDRL A00D)

3.7.2 For any project or experiment conducted in the WSCI lab, the Contractor, working in concert with government personnel, the Contractor shall review program tracking systems and provide recommendations on setting up the system to align with associated Work Breakdown Structures and Organizational Breakdown Structures.

3.7.3 For any project or experiment conducted in the WSCI lab, the Contractor, working in concert with government personnel, the Contractor shall review customer requirements and objectives versus available technology and program resources and provide assessments of the projected risks along with recommended mitigation measures.

3.7.4 For any project or experiment conducted in the WSCI lab, the Contractor, working in concert with government personnel, the Contractor shall prepare technical manuals, training materials, design documentation, security documentation, software configuration verification and validation reports. (CDRL A008)

4.0 Special Considerations

None

4.1 Contract Status Reporting

The Contractor shall prepare and submit monthly progress reports to the TA to cover tasks completed, ongoing and planned in support of this Task Order. The format for these documents shall be in an MS Office compatible format. Program Status Reports are to arrive no later than four working days after the beginning of each month. (CDRL A001)

4.2 Place of Performance

China Lake, CA

5.0 Security

5.1 Personnel Security

All personnel require a Secret clearance on this Task Order.

6.0 Travel

The Contractor may be required to perform non-local travel to any US military installation or to any contractor supporting WSCI functions in the performance of this task. The Contractor may be required to perform non-local travel to any US military installation or to any contractor supporting WSCI functions in the performance of this task.

Number of people traveling: two

Number of trips: two

Locations: Pt. Mugu or any military or contractor organization supporting WSCI lab function

Number of days per trip: 4

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
000102	Destination	Government	Destination	Government
000103	Destination	Government	Destination	Government
000104	Destination	Government	Destination	Government
0002	N/A	N/A	N/A	Government
000201	Destination	Government	Destination	Government
0003	N/A	N/A	N/A	Government
000301	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
0002	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000201	N/A	N/A	N/A	N/A
0003	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000301	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000
COST CODE: A00002664740
AMOUNT: \$100,000.00
CIN 130047054800001: \$100,000.00

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000
COST CODE: A10002664740
AMOUNT: \$50,400.00
CIN 130047054800002: \$50,400.00

AC: 97X4930 NH2C 255 77777 0 050120 2F 000000
COST CODE: A20002664740
AMOUNT: \$38,000.00
CIN 130047054800003: \$38,000.00

AD: 97X4930 NH2C 255 77777 0 050120 2F 000000
COST CODE: A30002664740
AMOUNT: \$25,000.00
CIN 130047054800004: \$25,000.00

CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N68936-15-D-0004	2. DELIVERY ORDER/ CALL NO. 0018	3. DATE OF ORDER/ CALL (YYYYMMDD) 2015 Jan 13	4. REQ./ PURCH. REQUEST NO. 1300470625	5. PRIORITY
---	-------------------------------------	--	---	-------------

6. ISSUED BY CDR NAWCWD CODE 254300D ATTN: M. PETERSON (760) 939-1147 429 E BOWEN RD - STOP 4015 CHINA LAKE CA 93555	CODE N68936	7. ADMINISTERED BY (if other than 6) DCMA MANASSAS 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342	CODE S2404A	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
---	-------------	---	-------------	---

9. CONTRACTOR ENGLITY CORPORATION NAME (b) (4) AND 3750 CENTERVIEW DR ADDRESS CHANTILLY VA 20151-3200	CODE 02NP8	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
			12. DISCOUNT TERMS	13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182264 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
--	------	---	-------------	---

16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1			

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

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

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA TEL: (760) 939-3728 EMAIL: john.faria@navy.mil BY: JOHN J. FARIA
CONTRACTING / ORDERING OFFICER	25. TOTAL \$75,721.28 26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN
 INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	--------------------	---

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
--	--------------	--------------------	--------------

f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
---------------------	-------------------	--	-------------	---------------------------------

36. I certify this account is correct and proper for payment.

a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. CHECK NUMBER
			35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
-----------------	-----------------	------------------------------	----------------------	---------------------	---------------------

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF	(b) (4)	Hours		\$71,212.54
In accordance with the Statement of Work. This task order is severable.					
FOB: Destination					
ESTIMATED COST					\$ (b) (4)
FIXED FEE					\$ (b) (4)
TOTAL EST COST + FEE					\$71,212.54

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130047062500001	ACRN AA	\$56,816.86
PURCHASE REQUEST NUMBER: 1300470625		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130047062500002	ACRN AB	\$14,395.68
PURCHASE REQUEST NUMBER: 1300470625		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	ODC-Travel COST		Lot		\$4,508.74
In accordance with the Statement of Work.					
FOB: Destination					
ESTIMATED COST					\$4,508.74

ITEM NO	SUPPLIES/SERVICES		AMOUNT
000301	For Navy Accounting Purposes Only		
CIN: 130047062500002		ACRN AB	\$4,508.74

PURCHASE REQUEST NUMBER: 1300470625

Section C - Descriptions and Specifications

STATEMENT OF WORK

Statement of Work
N68936-15-D-0004
Task Order 0018
1 January 2015 – 31 December 2015
Rolling Airframe Missile Program
Version: 12/3/2014
This is a Severable task order, PSC Code R425
Applicable SOW Sections
3.1.1, 3.1.2, 3.4.1, 3.5

1.0 Background General scope of work

- 1.1 Background:** The Rolling Airframe Missile Technical Project Office (TPO) at China Lake provides SME (Subject Matter Expert) technical support to RAM Program Office (RAMPO IWS 3B) in the following areas: Systems Engineering, production support, logistics, engineering analysis, and test and evaluation.
- 1.2 Scope:** This statement of work covers technical support in research, analysis, testing, and future Hardware in the loop (HWIL) testing of the Block 1 and Block 2 Rolling Airframe Missile (RAM). Tasking will include: Design Engineering and Review, engineering analysis, future missile capability development and mentoring of junior engineers.

2.0 APPLICABLE DOCUMENTS. None

3.0 PERFORMANCE REQUIREMENTS. Work tasking will be provided in task assignments provided via Email. If a specific government format for schedule and reports is not provided, Contractor formats are allowed for all written submissions. The contractor will be provided with an office and all of the tools and supplies required for completing tasks.

3.1 Design Engineering and Review Provide input on technical issues concerning various subsystems in RAM BLK 1 and RAM Block 2 guided missile round packs (GMRP).

3.1.1 The Contractor shall attend Change Control Board (CCB), Failure review board (FRB), and technical interchange meetings (TIM) on various subsystems in RAM BLK 1 and 2 including the guidance section and control section, and make recommendations for resolution of any technical issues.

3.1.2 The Contractor shall review engineering changes to RAM BLK 2 hardware proposed by other Government agencies and Contractors, and make appropriate technical recommendations on an as needed basis. **3.1.3** The contractor shall serve as a technical consultant to the RAM team during the Limited Rate Production (LRIP) phase of the BLK 2 missile for timely resolution of production issues with the BLK2 RF seeker, IR seeker and the control section.

3.1.4 The contractor shall review, analyze and provide written technical input on white papers concerning RAM BLK2 Future capability development. (CDRL A005)

3.2 Engineering Analysis The contractor shall utilize detailed historical knowledge of RAM BLK 1 missile hardware, and serve as a consultant to the RAM team during recertification of RAM BLK1 missiles currently deployed in the fleet.

3.3 The contractor shall attend special failure review board (SFRB) meetings on all RAM BLK1 missile related failures.

3.3.1 The contractor shall review, analyze and make technical recommendations on RAM BLK 2 flight test data during BLK 2 operational testing (OT) phase. (CDRL A005)

3.4 Training/Mentoring, The contractor shall utilize his technical expertise on RAM Block 1 and 2 guidance sections to mentor less experienced engineers.

4.0 Special Considerations

4.1 Contract Status Reporting: The Contractor shall prepare and submit bi-weekly highlights on all work efforts, and submit trip reports within five working days of returning from official travel. (CDRL A005).

4.2 Place of Performance: Primary place of performance is NAWS China Lake, CA.

5.0 Security requirements: The contractor must maintain a security clearance at the Secret level.

6.0 Travel: A limited (no more than once every 2 months) amount of travel to the contractor facilities will be required for this position.

<u>Location</u>	<u># of days</u>	<u># of trips</u>	<u># of Travelers</u>
Tucson, AZ	2	6	1

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	Government
000101	Destination	Government	Destination	Government
000102	Destination	Government	Destination	Government
0003	N/A	N/A	N/A	Government
000301	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0003	POP 01-JAN-2015 TO 31-DEC-2015	N/A	N/A FOB: Destination	
000301	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 252 77777 0 050120 2F 000000
COST CODE: A00002664745
AMOUNT: \$56,816.86
CIN 130047062500001: \$56,816.86

AB: 97X4930 NH2C 252 77777 0 050120 2F 000000
COST CODE: A10002664745
AMOUNT: \$18,904.42
CIN 130047062500002: \$18,904.42

CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984