

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH ORDER/ AGREEMENT NO. N68936-15-D-0004	2. DELIVERY ORDER/ CALL NO. 0103	3. DATE OF ORDER/ CALL (YYYYMMDD) 2015 Dec 08	4. REQ / PURCH REQUEST NO 1300537185	5. PRIORITY
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6. ISSUED BY CDR NAWCWD CODE 254100D ATTN: M. PETERSON (760) 939-1147 429 E BOWEN RD. STOP 4015 CHINA LAKE CA 93555-5106	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)
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9. CONTRACTOR ENGILITY LLC 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 182317 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE		Reference your 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) 939-1891 EMAIL: bryan.v.gregory@navy.mil BY: BRYAN V. GREGORY	36	25. TOTAL	\$697,183.49
			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
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
		<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY

f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	33. AMOUNT VERIFIED CORRECT FOR
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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.
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Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF This Task Order is severable FOB: Destination	(b) (4)	Hours		\$667,437.90
				ESTIMATED COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL EST COST + FEE	\$667,437.90

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130053718500001	ACRN AA	\$295,254.41
PURCHASE REQUEST NUMBER: 1300537185		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	ODC - Travel COST FOB: Destination		Lot		\$29,745.59
				ESTIMATED COST	\$29,745.59

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000301	For Navy Accounting Purposes Only	
CIN: 130053718500001	ACRN AA	\$29,745.59
PURCHASE REQUEST NUMBER: 1300537185		

Section C - Descriptions and Specifications

STATEMENT OF WORK

Statement of Work
Contract # N68936-15-D-0004
Task Order # 0103
JEAT Test& Experimentation Support
Version: 27 October 2015
Severable task order, PSC AC63
Applicable Contract SOW sections:
3.1.2, 3.2.1, 3.2.2, 3.2.3, 3.4.1, 3.4.2, 3.4.3

1.0 BACKGROUND AND GENERAL SCOPE OF WORK

1.1 **BACKGROUND:** The Joint Electronic Advanced Technology (JEAT) Externally Directed Team (EDT), Code 450000E, is chartered to provide leadership and execution of advanced Scientific and Technology (S&T) based studies, demonstrations, and experiments for the Office of the Secretary of Defense and specifically the Assistant Secretary of Defense for Research and Engineering, ASD (R&E). Vigilant Hammer experimentation involves the creation of an environment where Government and Industry practitioners and laboratories can execute experimentation projects in the Electronic Warfare / Cyber Warfare domains. The JEAT team performs the complete concept development, planning, execution and reporting life-cycle for these OSD-sponsored events. JEAT also performs studies and conducts technology demonstrations for electronic advanced technologies.

1.2 **GENERAL SCOPE OF WORK:** This Statement of Work (SOW) provides for engineering services to the JEAT EDT for the execution of studies, demonstrations, and experiments. The contractor shall provide support for activity planning, technical analysis of experimenter submissions, experimenter selection, development of planning documents, preparation of briefing materials and other meeting-related products, activity execution, data analysis, and post event closeout actions including preparation of reports. Tasking shall include conducting risk, scope, schedule analyses, briefings and associated meeting materials during the planning, execution & reporting phases of the experiment. Primary products for this effort will be the Detailed Experiment Plans (DEP), Data Management Analysis Plans (DMAP), Quick Look Reports, Final Reports and supporting analysis products. Participating in product reviews is required to ensure the team's test and experimentation projects meet required quality standards under the cognizance of NAWCWD, JEAT EDT, Code 450000E, Point Mugu, CA. Inherent in providing support of JEAT's test and experimentation projects will be the requirement and access to intelligence information at the SECRET and TOP SECRET, Sensitive Compartmented Information (SCI) level.

2.0 APPLICABLE DOCUMENTS

2.1 SPECIFICATIONS, STANDARDS, AND HANDBOOKS:

2.2 OTHER DOCUMENTS, DRAWINGS, AND PUBLICATIONS:

NAVAIRINST 3960.4B, Project Test Plan Policy and Guide for Testing Air Vehicles, Air Vehicle Weapons, and Air Vehicle Installed Systems

3.0 REQUIREMENTS

3.1 The contractor shall provide Test and Evaluation (T&E) Subject Matter Expert(s) (SME) during all phases of the experimentation life cycle.

3.1.1 The T&E SMEs will support the JEAT Demonstrations Lead by conducting the Experiment Management Team (EMT) and perform risk, scope, and schedule analyses. The T&E SME will perform required T&E functions during planning, execution, and reporting phases of the experiment. The T&E SME will analyze and provide inputs to the experimentation event's IMS and management plan as required. The T&E SME will prepare agendas, briefings, and other meeting materials. The T&E SME will ensure activities occur in accordance with the IMS and will coordinate activities with the JEAT Demonstrations Lead. The SME will analyze processes and products to ensure each experiment meets quality standards. The T&E SME will support the development of each experiment's DEP and Final Report.

3.2 The contractor shall provide an Analysis SME during all phases of the JEAT conducted test and evaluation experiment life cycle.

3.2.1 The Analysis SME will support the JEAT Demonstrations Lead by participating in an Experiment Engineering Team (EET). The EET is the driving force for the planning, analysis and execution of the experiment. The Analysis SME will aid the planning, execution, and reporting phases of the experiment by helping to resolve issues and providing supporting analysis for project decisions. The Analysis SME will support the development of the experiment's DMAP. Working collaboratively with the JEAT Demonstrations Lead, JEAT team members, and other project personnel, the Analysis SME will solidify scenarios and coordinate resources required for execution with the test range and other project personnel.

3.3 The contractor shall provide a Technical Writer during all phases of JEAT conducted test and evaluation experiment life cycle.

3.3.1 The Technical Writer will expedite production of documentation. The Technical Writer will collect and organize information, draft documentation, and coordinate materials with the JEAT test and experimentation team. Examples of documentation will include products such as meeting registration reports, distribution lists, action items, meeting minutes, graphics, plans, and reports.

3.4 Technical Administrative Support

3.4.1 The contractor shall schedule, arrange, and attend collaboration coaching sessions involving JEAT team members. This process may involve face-to-face meetings, phone calls, 360-degree feedback, team-building sessions, and the development of action plans. The contractor shall provide plans, report, assessments, and presentation materials, such as viewgraphs and printed materials, to support organizational development projects and illustrative coaching programs. The contractor shall implement skills assessment instruments and other relevant techniques to optimize effectiveness of executive management functions.

4.0 SPECIAL CONSIDERATIONS

4.1 Contract Status Reporting: The contractor will prepare and deliver a monthly status report. The status report shall contain technical and program accomplishments for the previous

months, technical/project activities for the following month, and any project related risk issues that could have an impact on performance or schedule. Included in this report will be the most recent billing voucher.

4.2 Place of Performance: Contractor support will be performed primarily at the contractor's local facility in Camarillo, CA. Attendance at JEAT meetings, technical information coordination and classified discussions will require personnel to be on-site at NAWCWD, Point Mugu, CA as necessary. Non-local travel to other facilities in support of JEAT test/experiment planning, execution, and data analysis will be required.

5.0 Security

5.1 Personnel Security: The personnel supporting this SOW shall require at least a SECRET security clearance while specific individuals will require a TOP-SECRET Sensitive Compartmented Information (SCI) security clearance. SCI cleared personnel supporting this SOW are required to attend meetings in person and/or via teleconference, review detailed technical information contained in experimenter's documentation, process experiment participant data provided at the SCI level, interface with OSD SCI cleared individuals, interface with various intelligence community organizations at the SCI level, and create briefings/reports at the SCI level.

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):

Purpose:	Destination:	No. Days:	No. Trips:	No of Personnel:
VH 2 Final Plan. Mtg.	China Lake, CA	4	1	3
VH 2 Event Exec.	China Lake, CA	16	1	3
VH 2 Final Rpt Brief.	Washington, DC	4	1	2
JEAT Team Sessions	Point Mugu, CA	4	3	1
VH 3 Concept WG	Washington, DC	5	1	3
VH 3 Initial Plan. WG	China Lake, CA			5 1 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	N/A	N/A	N/A	Government
000101	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	DODAAC
0001	POP 01-JAN-2016 TO 31-DEC-2016	N/A	N/A FOB: Destination	
000101	N/A	N/A	N/A	N/A
0003	POP 01-JAN-2016 TO 31-DEC-2016	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: A00003171408
AMOUNT: \$325,000.00
CIN 130053718500001: \$325,000.00

CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984

Section J - List of Documents, Exhibits and Other Attachments

EXHIBIT / ATTACHMENTS

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	STILO MEMO	3	03 Mar 2009
Attachment 2	DD 254	6	30 Oct 2015

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH ORDER/ AGREEMENT NO. N68936-15-D-0004	2. DELIVERY ORDER/ CALL NO. 0104	3. DATE OF ORDER/ CALL (YYYYMMDD) 2015 Dec 21	4. REQ./ PURCH. REQUEST NO. 1300542339	5. PRIORITY
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6. ISSUED BY CDR NAWCWD CODE 254100D ATTN: M. PETERSON (760) 939-1147 429 E BOWEN RD. STOP 4015 CHINA LAKE CA 93555-5106	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)
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9. CONTRACTOR ENGILITY LLC 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
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14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182317 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract
	PURCHASE	<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) 939-1891 EMAIL: bryan.v.gregory@navy.mil BY: BRYAN V. GREGORY	<i>36</i>	25. TOTAL \$209,116.80
		CONTRACTING / ORDERING OFFICER	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
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR

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

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
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Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF	(b) (4)	Hours		\$209,116.80
	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	<hr/> \$209,116.80

ITEM NO	SUPPLIES/SERVICES			AMOUNT
000101	For Navy Accounting Purposes Only			
CIN: 130054233900001			ACRN AA	\$209,116.80

PURCHASE REQUEST NUMBER: 1300542339

Section C - Descriptions and Specifications

STATEMENT OF WORK

STATEMENT OF WORK

Applied Manufacturing Technology Division Support**ESS V SOW for N68936-15-D-0004****Task Order 0104****This is a severable Task Order, PSC coded R425**

1.0 SCOPE. This Task Order (TO) Statement of Work (SOW) provides for creation of Hardware through Computer Numerically Controlled (CNC) and Conventional Mill and Lathe Machining for the Applied Manufacturing Technology Division (AMTD) Machine Shop, China Lake, California.

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

N/A

3.0 REQUIREMENTS. The Government will provide tasking materials with applicable customer requirements listed in an in-basket located in the Government's facility. The Contractor shall perform each task utilizing Government Furnished Computer Numerically Controlled and Conventional lathes and milling machine tools. The contractor shall enter their performance hours used to complete each task into the SIMS production control database (CDRL A001). This record keeping is necessary in order to keep track of work hours performed on specified projects to support the Government's record keeping. The Contractor shall deliver each completed project along with any documentation which came with the task via Contractors "completed work" area in the Inspection Department. The Contractor shall check the in-box for new task assignments as he completes each assignment. The Government may require overtime to complete urgent request for this Task Order. The contractor is expected to comply with the quality assurance surveillance plan in the basic contract.

3.1 Design Engineering 3.1.1.

3.1.1 The Contractor shall produce prototypes and development items, such as Telemetry Housings, Target Systems, Cargo Door Handles, Aircraft Components, Ordnance Components, Autonomous Vehicle Assemblies, Instrumentation Pallets and other RDT&E projects, in accordance with the authorization and specification packages supplied by the Government. Production includes planning, laying out, modifying, fabricating, and assembling research and development prototype models utilizing government supplied plans & drawings. . The Contractor shall perform each task within the reasonable amount of time estimated by the Government Planner to accomplish the task sequence and advise the Planner when problems are encountered with the task.

3.1.2 The Contractor shall utilize the most cost effective way to perform fabrication of unique prototype models, tools, and components out of metals or plastic materials in support of missiles, aircraft, and associated hardware, for weapons programs including HARM, Sidewinder, RAM

and AARGM

3.1.3 The Contractor shall utilize a variety of precision measuring instruments including micrometers, fixed and adjustable gauges, and dial indicators to check their work.

3.1.4 The Contractor may be required to operate Government forklifts, cranes, golf carts, and vehicles on- and off- Center, while performing tasks under this SOW.

4.0 SPECIAL CONSIDERATIONS

4.1 Contract Status Reporting

N/A

4.2 Place of Performance

The work defined in this task order will be performed at China Lake, CA

5.0 SECURITY

5.1 Personnel Security

The work defined in this task order will require a Secret clearance.

6.0 Travel

No travel is required at this time.

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	DODAAC
0001	POP 01-JAN-2016 TO 31-DEC-2016	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 252 77777 0 050120 2F 000000

COST CODE: A00003216399

AMOUNT: \$209,116.80

CIN 130054233900001: \$209,116.80

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. 0108	3. DATE OF ORDER/ CALL (YYYYMMDD) 2015 Dec 23	4. REQ / PURCH REQUEST NO. 1300541646	5. PRIORITY
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6. ISSUED BY CDR NAWCWD CODE 254100D ATTN: L. PETTY (760) 939-2016 429 E BOWEN RD. STOP 4015 CHINA LAKE CA 93555-5106	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)
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9. CONTRACTOR ENGILITY LLC 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
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14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182317 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract
	PURCHASE		Reference your 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)
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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) 939-1891 EMAIL: bryan.v.gregory@navy.mil BY: BRYAN V. GREGORY	36	25. TOTAL	\$79,455.00
	CONTRACTING / ORDERING OFFICER		26. DIFFERENCES	

27a. QUANTITY IN COLUMN 20 HAS BEEN
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
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f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
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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.
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37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
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Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF In accordance with the Statement of Work. FOB: Destination	(b) (4)	Hours		\$69,102.00
				ESTIMATED COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL EST COST + FEE	\$69,102.00

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130054164600001	ACRN AA	\$9,999.00
PURCHASE REQUEST NUMBER: 1300541646		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Other Direct Costs - Travel COST In accordance with the Statement of Work. FOB: Destination	1	Lot		\$10,353.00
				ESTIMATED COST	\$10,353.00

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000301	for Navy Accounting Purposes Only	
CIN: 130054164600001	ACRN AA	\$1.00
PURCHASE REQUEST NUMBER: 1300541646		

Section C - Descriptions and Specifications

STATEMENT OF WORK

Statement of Work
N68936-15-D-0004
Task Order 0108
Fire Science Engineering Services
Version: 11/19/15
Severable Task Order / PSC Code AC52
Applicable SOW Sections:
3.1, 3.2, 3.3, 3.4

1.0 BACKGROUND AND GENERAL SCOPE OF WORK:

1.1 Background: The Combustion Sciences, Fire Science and Technology Office (FSTO) is responsible for providing engineering services directly to the warfighter for emerging needs associated with shipboard and land based aviation firefighting. This responsibility includes performing developmental, operational and evaluation testing of new procedures, equipment, firefighting agents as well as identification, analysis and development of mitigation practices for new threats and hazards particular to any aircraft, ship or weapons system.

1.2 General Scope of Work: This Statement of Work (SOW) provides for engineering services to the FSTO. Tasking shall include Test and Evaluation (T&E) support including test plan development, T&E operations, test report writing, Fire Protection Engineering support, subject matter expertise and historical knowledge under the cognizance of NAWCWD, FSTO, Code 474200D, China Lake, CA.

2.0 APPLICABLE DOCUMENTS.

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

3.0 REQUIREMENTS. All inputs and task assignments will be via Contractor's in basket or electronic mail. Each task shall cite the applicable SOW requirement paragraph.

3.1 DESIGN AND DEVELOPMENT ENGINEERING (3.1). The contractor shall provide engineering design, design review, analysis, and services relative to RDT&E of emerging aviation firefighting needs. The contractor shall provide technical services for firefighting testing including: test plan development, data collection, data and test results analysis, report writing and review, and development of new Navy firefighting doctrine.

3.1.1 Design Engineering and Review. The contractor shall provide engineering designs and concepts for fabrication, fabricate production prototypes and modify existing appliances (for

example: nozzles, valves, wand, connecting device to a fire hose or suppression system) and equipment for development of unique firefighting appliances, fire suppression systems, fire ignition devices and ignition delivery systems. The contractor shall perform design validation testing, participate in governmental design validation testing and prepare technical data reports of validation results (A005). The contractor shall review and evaluate existing developmental and theoretical designs of suppression and ignition appliances, equipment and systems provided as Government Furnished Information (GFI) to establish compatibility with shipboard, land, and aerial fire suppression and ignition systems and equipment, vehicles and aircraft. Developed design must demonstrate compatibility with regards to weight, ship design and capabilities, equipment storage, method of delivery, safety of operational components and storage and usage of chemical components aboard ship, land based and in aircraft. Any design constraints that must be met shall be communicated via the individual task assignment. The contractor shall provide a written evaluation of the design or design changes along with supporting rationale after completing the analysis.

3.1.2 Engineering Analyses: The contractor shall perform engineering analysis of shipboard and land based fire suppression systems, equipment and appliances. The contractor shall determine flow rates, pressures, distribution patterns, and nozzle reactions of land-based and aerial fire ignition systems and components. The contractor shall determine delivery distance, patterns and required aircraft altitude. The contractor shall perform analysis of ignition sources for heat output, time of burn, fire ignition patterns and floatation in fuels, on land and on water. The contractor shall provide design data including compatibility and performance of new Commercial Off The Shelf (COTS) and prototype components integrated into existing systems.

3.1.3 Operations Research Services: The contractor shall construct, modify and/or perform statistical and/or analytical investigations of and with mathematical simulation empirical and other models. This analysis may include actual fire incident investigations test scenarios, prescribed burns or theoretical incidents. Analysis may include calculation of fuel spill flow rates, spill duration, depth and area, fuel consumption rate, fire duration, heat fluctuations, human burn calculations, and ignition requirements for various fuels in varying terrains, surfaces and weather conditions. The contractor shall also perform analysis of fire suppression systems, equipment and appliances performance and ignition systems performance against various fires scenarios, fuel types, terrains, surfaces and weather conditions. The contractor will research and monitor new regulation associated with fire protection equipment, appliances, agents and vehicles.

3.1.4 Chemical Analyses: The contractor shall plan, execute, analyze, interpret and report the results of all chemical investigations. These include research and design of thermodynamics, heat transfer, environmental compatibility and systems compatibility for various fuels, fire extinguishing agents and fire ignition compounds and mixtures.

3.1.5 Technology Studies: The contractor shall perform research, engineering analysis and conduct technical studies to report on and make recommendations to the government for

introducing new and developing technologies, equipment, suppression agents and techniques and tactics.

3.1.6 Design and Test Facility Support The contractor shall design, document, fabricate and provide upgrades to government test facilities and test components including overall facility design and layout, data collection, fuel storage and distribution, hazardous waste collection, storage and removal, test surrogate design and construction, test fuel ignition systems, environmental control and simulation including wind generation, rain and temperature control.

3.1.7 Human Engineering: The contractor shall prepare, evaluate and annotate human engineering analysis reports, test plans and procedures relating to response team staffing requirements, positioning of fire suppression teams, response times, fire proximity limitations, heat stress, personal protective equipment requirements strength and size requirements and limitations (CDRL A005).

3.2 TEST AND EVALUATION.

3.2.1 Test Plans and Procedures: The contractor shall design tests and write test plans to evaluate the performance of various components related to all aspects of aviation fire protection and fire ignition including testing of new, developmental and existing fire equipment, appliances, suppression agents, firefighting procedures, ignition hardware, delivery systems, and ignition agents. The contractor shall provide pre and post-test simulations of expected system performance in test scenarios. The contractor shall develop test exercise geometry and constraints necessary to implement test scenarios. The contractor shall evaluate and provide comments on test plans and procedures. The contractor shall submit an evaluation report on the adequacy of such plans and provide rationale and assumptions. The contractor shall provide inputs to detailed test procedures implementing test plan requirements.

3.2.2 Test and Test Support The contractor shall participate in government testing of aviation fire protection and fire ignition systems including testing of new, developmental and existing fire equipment, appliances, suppression agents, firefighting and rescue procedures, ignition hardware, delivery systems, and ignition agents including development testing to investigate technical approaches, verification of interface interoperability, and evaluation of the technical performance under controlled conditions and in representative operations environments on request. The contractor shall participate in the planning, coordination and performance testing and evaluation process. The contractor shall provide test support, and data capture and data retrieval support. The contractor shall attend tests performed at both Government and private test sites to review the appropriate test requirements provide analytical support during testing and procedures, monitor the test being conducted, and document the test results on CDRL A005.

3.2.3 Test Analysis and Reports: The contractor shall review aviation fire protection and fire ignition 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 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 publish test documents and reports. (A005) The contractor shall evaluate test report content and recommend changes with supporting rationale.

3.3 TRANSITION ENGINEERING . The contractor shall provide transition production (including business case analysis), installation, interim support, and training for the transition of development systems, commodities, prototype, and Low Rate Initial Production (LRIP) items related to aviation fire protection and fire ignition as defined by the following requirements.

3.3.1 Development of item and Prototype Production: The contractor shall produce aviation fire protection and fire ignition prototypes and development items in accordance with the authorization and specification package.

3.3.2 Installation Support: The contractor shall identify and document installation requirements to ensure system computability: identify and provide recommended solutions to interface problems; review and monitor system tolerances. The contractor shall perform system tests to assess performance, safe operation, reliability and maintainability. The Contractor's tests and assessments will have emphasis on the impact of system interface with COTS, prototype and existing fire suppression, ignition, detection, and prevention systems, appliances and equipment aboard ship, on land and in aircraft.

3.3.3 Interim Engineering Analysis: The contractor shall provide systems engineering analysis for development, preproduction, prototype and LRIP equipment or components, production material and modification kits during development and initial deployment of Fire Suppression, ignition, detection, or prevention equipment. The contractor shall perform equipment modifications to validate engineering/design recommendations or changes. The contractor shall participate in the associated operational testing of equipment aboard ship, on shore based equipment or vehicles at government. or commercially operated test facilities.

3.3.4 Training: The contractor shall review and/or develop training plans for new, developmental and existing fire suppression, ignition detection and prevention equipment being fielded on Government ships, shore facilities, equipment and vehicles and in government aircraft. The contractor shall develop, review and make recommendations for change to existing government fire protection training manuals, plans and courses (A00C).

3.4 MANAGEMENT SUPPORT

3.4.1 Technical Administrative Support: The contractor shall perform technical administrative services such as meeting assistance, conduct briefings and make presentations to the government. The contractor shall provide subject matter expertise on all ship board, shore based and aviation fire protection matters and will attend fire protection requirement review sessions and make recommendations to the government for technical and formatting improvements and incorporation of new requirements for equipment, tactics, agents and technologies.

4.0 SPECIAL CONSIDERATIONS

4.1 Contract Status Reporting. All technical/engineering reports will be in a government approved format and developed through the WD Technical Communications Office.

4.2 Place of Performance: Work will generally be conducted from the contract employees residence or at the FSTO facilities at China Lake.

5.0 SECURITY. Work performed under this task order will be at the SECRET level.

6.0 TRAVEL. The contractor may be required to perform non-local travel in support of this task order. Travel locations may include China Lake and other Navy and Department of Defense installations, private test facilities and offices, commercial shipyards and aircraft production facilities, and various meeting and conference locations. The following long distance travel is anticipated and is authorized in accordance with this SOW:

<u>Location</u>	<u># of days</u>	<u># of Trips</u>	<u># of Travelers</u>
China Lake, CA	8	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	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government
0003	Destination	Government	Destination	Government
000301	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC
0001	POP 01-JAN-2016 TO 31-DEC-2016	N/A	N/A FOB: Destination	
000101	N/A	N/A	N/A	N/A
0003	POP 01-JAN-2016 TO 31-DEC-2016	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: A00003209352
AMOUNT: \$10,000.00
CIN 130054164600001: \$10,000.00

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. 0109	3. DATE OF ORDER/ CALL (YYYYMMDD) 2015 Dec 11	4. REQ / PURCH. REQUEST NO. 1300541164	5. PRIORITY
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6. ISSUED BY CDR NAWCWD CODE 254100D ATTN: M. PETERSON (760) 939-1147 429 E BOWEN RD. STOP 4015 CHINA LAKE CA 93555-5106	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)
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9. CONTRACTOR ENGILITY LLC 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
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14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182317 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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16. TYPE OF ORDER	DELIVERY/ CALL <input checked="" type="checkbox"/>	PURCHASE	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract Reference your quote dated Furnish the following on terms specified herein. REF:
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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) 939-1891 EMAIL: bryan.v.gregory@navy.mil BY: BRYAN V. GREGORY	36 CONTRACTING / ORDERING OFFICER	25. TOTAL \$102,988.80	26. DIFFERENCES
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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
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
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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 <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	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.
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Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor	(b) (4)	Hours		\$102,988.80
	CPFF				
	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>\$102,988.80</u>

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130054116400001		
	ACRN AA	\$50,000.00

PURCHASE REQUEST NUMBER: 1300541164

Section C - Descriptions and Specifications

STATEMENT OF WORK**Statement of Work****N68936-15-D-0004****Task Order 0109****Tomahawk****Version: 12/08/2014****This is a severable Task Order, PSC R425****List applicable SOW Sections****3.1.1, 3.1.9, 3.4.1****1.0 BACKGROUND AND GENERAL SCOPE OF WORK.****1.1 BACKGROUND**

The Block IV Tomahawk Missile is the latest evolution of the Tomahawk Land Attack Missile (TLAM). Tomahawk was initially deployed with three variants: the Tomahawk Anti-Ship Missile (TASM), the Tomahawk Land-Attack Missile-Nuclear (TLAM-N), and the Tomahawk Land Attack Missile-Conventional (TLAM-C). Neither the TASM nor the TLAM-N is currently deployed.

Block III TLAM. Block III TLAM introduced use of the Global Positioning System (GPS) for en route navigation. Missions may be planned using GPS updates all the way into the target, or with DSMAC (Digital Scene-Matching Area Correlation) updates in the terminal area. The DSMAC system itself was updated to the DSMAC IIA system, which provides improved correlation. Use of TERCOM (Terrain Contour Matching) is still available as an alternative to GPS. The Block III also featured a lighter warhead, the WDU-36, and a new engine. The added available fuel weight and the new engine resulted in increased propulsion range. The range of the sub-munition variant remained the same. As with Block I and II, missions are preplanned at shore locations (or on the Afloat Planning System on an aircraft carrier) and transmitted to surface ships and submarines. Block III was introduced in 1993 and has been used operationally since that time through Operation IRAQI FREEDOM.

Block IV Tomahawk Missile. The Block IV Tomahawk missile provides redesigned Mission Control, Navigation (INS/GPS/DSMAC), and Engine subsystems, as well as the capability to communicate while in flight via satellite.

Block IV Tomahawk All-Up-Round. The Block IV All-Up Round (AUR) is capable of being launched from surface and submarine platforms. The Rocket Motor and Thrust Vector Control are used during the Boost phase to control initial flight. During the Cruise phase, the Turbojet Engine and Fins control flight. The Navigation Processor provides navigation solution updates to the Mission Control Processor (MCP) using multiple onboard sensors. These sensors include DSMAC, Radar Altimeter, Inertial Measurement Unit, Air Data Module, and Anti-Jam GPS Receiver. During flight, target relocation to alternate land targets may be selected by the Strike Controller through communications via the Satellite Data Link Transceiver. During the terminal flight phase, warhead arming and detonation will occur, as controlled via MCP commands (based on mission and strike data).

1.2 GENERAL SCOPE OF WORK.

This Statement of Work covers engineering support services for the TOMAHAWK AUR Technical Data Management Office. Tasks include Engineering Support, Design Engineering Review, Configuration Management Support (Configuration Identification, Control, Status Accounting), Technical Data Management and Maintenance, and Distribution.

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

2.1 SPECIFICATIONS, STANDARDS AND HANDBOOKS.

MIL-HDBK-61, Configuration Management Guidance

MIL-STD-973, Notice 3 Configuration Management

2.2 OTHER DOCUMENTS, DRAWINGS, AND PUBLICATIONS.

Tomahawk CM/DM Desk Book Procedures

CMP P4130/2, Tomahawk Weapon System Interface Management Plan

PEO(CU) Pub 4130/4, Tomahawk Weapon System R/UGM-109 All-Up-Round Configuration/Data Management Plan

PMA280-1230, Tomahawk Weapon System (TWS) Configuration Management (CM) Plan

Tomahawk Information System (TOMIS) Users Guide, dated 22 Nov 73

3.0 REQUIREMENTS. This is a Level-Of-Effort (LOE) task order for engineering support services and management support services for project support for management of technical activities. The Contractor will receive work requests via the Contractor's in basket or electronic mail for all work to be performed as specified herein. The Contractor is expected to comply with the contractor surveillance plan in the basic contract.

3.1 Design Engineering and Review. The Contractor shall prepare technical data packages in accordance with, MIL-STD-973, PEO(CU) Pub 4130/4, PEO(CU) P4130/8, CMP P4130/2 and applicable Cruise Missile Contracts using Tomahawk Contractor Integrated Technical Information Service (CITIS) and Tomahawk Information Management Information System (TOMIS). In accordance with the written Desk Book Procedures, the Contractor shall prepare or revise specifications of technical data packages when specifications require updates as defined in the Technical Data Package as-needed basis in Microsoft Word format. The Contractor shall attend scheduled technical data package reviews with the Government to conduct technical resolution of the technical data package. The Government estimates that 3 technical data packages will be reviewed per quarter.

3.2 Production Engineering Analyses and Support

3.2.1 The Contractor shall review and analyze Request For Deviations and Waivers (RFD/Ws), Engineering Change Proposals (ECP's), Notice of Revisions (NOR's), Waivers and Deviations to determine the effects on configuration identification using Tomahawk CITIS and TOMIS. In accordance with the written Desk Book Procedures, the Contractor shall provide results of these reviews to the Government Technical Assistant on a weekly basis in the form of written CCB Review Comments via electronic mail. The Contractor shall identify and document any aspect in noncompliance. Included in this documentation, the Contractor shall provide the rationale used for any determination of noncompliance and discuss the noncompliance with CCB members. The Contractor shall receive, log and distribute, in accordance with written Desk Book Procedures, Government furnished ECP/NOR's RFD's, RFW's, drawings and specifications in support of the weekly CCB's. The Government estimates that 20 technical data package changes will be reviewed per month.

3.3 Technical Administrative Support The Contractor shall perform technical administrative services including the preparation of briefings and presentations, project reports, data management, data maintenance and data distribution.

3.3.1 The Contractor shall coordinate the preparation of briefings, presentations and project reports in accordance with Desk Book Procedures as required by the Project Office.

3.3.2 The Contractor shall provide data management, data maintenance and data distribution in accordance with Desk Book Procedures.

3.3.2.1 The Contractor shall provide Data Management Librarian duties in accordance with Desk Book Procedures; organizing and filing hardcopy and digital copies of Tomahawk library data and maintain the existing Excel database listing of Tomahawk Library Data, which will be made available to the Tomahawk Government Team as requested. The Contractor shall coordinate revision status of documents with PMA-280, other Government agencies and Raytheon Missile Company on status of technical documentation contained in the Library. The Government estimates that 10 contract data document packages will be processed per month.

3.3.2.2 The Contractor shall maintain an excel listing in TOMIS of Tomahawk Data Management Reviewers in accordance with Desk Book Procedures. This listing shall be updated as changes occur.

3.3.2.3 The Contractor shall maintain an excel listing in TOMIS of Tomahawk CDRL Data and track submittals through to completion. This listing shall be updated as new Contract Data Submittals are identified and shall be updated on a weekly basis. A report shall be generated from this excel listing on a weekly basis and uploaded to TOMIS with reviewers notified via email if there are outstanding actions for them to complete.

3.3.2.4 The Contractor shall receive documents, maintain the established automated Excel tracking system, provide reproduction and distribution of documentation. Distribution tasks include, reproducing documentation, packaging, labeling, and mailing, or otherwise shipping single or multiple documents to single or multiple locations within or outside the Government in accordance with the processes defined in the written Desk Book Procedures. The Government estimates that 10 contract data document packages will be processed per month.

3.3.3 The Contractor shall provide updated written desk book procedures in accordance with the work request, Contractor format acceptable, for every function performed under this statement of work. As a minimum, these functions include: Data Review, Configuration Identification and Control, Status Accounting, Technical Data Maintenance, and Data Maintenance and Distribution.

4.0 Special Considerations

4.1 Contract Status Reporting

4.2 Place of Performance

NAWCWD, China Lake, CA, Bldg 10, Room 1103.

5.0 Security

Contractor shall maintain a Secret Security Clearance.

6.0 Travel

N/A

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	DODAAC
0001	POP 01-JAN-2016 TO 31-DEC-2016	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 251 77777 0 050120 2F 000000

COST CODE: A00003205387

AMOUNT: \$50,000.00

CIN 130054116400001: \$50,000.00

CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984