

<b>AWARD/CONTRACT</b>		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)			RATING		PAGE OF PAGES 1   70	
2. CONTRACT (Proc. Inst. Ident.) NO. N6893619D0033		3. EFFECTIVE DATE 03 Apr 2019			4. REQUISITION/PURCHASE REQUEST/PROJECT NO. 1300604507			
5. ISSUED BY CDR NAWCWD CODE 254400D ATTN: (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555		CODE N68936	6. ADMINISTERED BY (If other than Item 5) DCMA HAMPTON 2128 PERSHING AVENUE FORT EUSTIS VA 23604			CODE S5111A		
7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, state and zip code) PERATON INC. (b) (6) 12975 WORLDGATE STE 7322 HERNDON VA 20170-6008					8. DELIVERY [ ] FOB ORIGIN [ X ] OTHER (See below)			
					9. DISCOUNT FOR PROMPT PAYMENT			
					10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN:			ITEM
CODE 0HD54		FACILITY CODE						
11. SHIP TO/MARK FOR CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049		CODE N68936	12. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P O BOX 182317 COLUMBUS OH 43218-2264			CODE HQ0338		
13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: [ ] 10 U.S.C. 2304(c)( ) [ ] 41 U.S.C. 253(c)( )				14. ACCOUNTING AND APPROPRIATION DATA				
15A. ITEM NO.	15B. SUPPLIES/ SERVICES		15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT		
<b>SEE SCHEDULE</b>								
<b>15G. TOTAL AMOUNT OF CONTRACT</b>						<b>\$32,345,388.00</b>		
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CONTRACTING OFFICER WILL COMPLETE ITEM 17 (SEALED-BID OR NEGOTIATED PROCUREMENT) OR 18 (SEALED-BID PROCUREMENT) AS APPLICABLE								
17. [ X ] CONTRACTOR'S NEGOTIATED AGREEMENT Contractor is required to sign this document and return 1 copies to issuing office. Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)				18. [ ] SEALED-BID AWARD (Contractor is not required to sign this document.) Your bid on Solicitation Number <u>N68936-17-R-00080002</u>  including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the terms listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your bid, and (b) this award/contract. No further contractual document is necessary. (Block 18 should be checked only when awarding a sealed-bid contract.)				
19A. NAME AND TITLE OF SIGNER (Type or print)				20A. NAME OF CONTRACTING OFFICER CHRISTOPHER N. BIGELOW / PROCURING CONTRACTING OFFICER TEL: (760) 939-2530 EMAIL: christopher.bigelow@navy.mil				
19B. NAME OF CONTRACTOR  BY _____ (Signature of person authorized to sign)		19C. DATE SIGNED		20B. UNITED STATES OF AMERICA  BY  (Signature of Contracting Officer)		20C. DATE SIGNED 03-Apr-2019		

## Section A - Solicitation/Contract Form

## CLAUSES INCORPORATED BY FULL TEXT

**FOR YOUR INFORMATION:**

The following addresses and points of contact are provided:

Name: (b) (6)  
Phone: (b) (6)  
DSN: (b) (6)  
FAX: (760) 939-8107  
Email address: (b) (6)

U.S. Postal Service Mailing Address:

COMMANDER  
CODE 254430D ( (b) (6) )  
NAVAIRWARCENWPNDIV  
1 ADMINISTRATION CIRCLE, STOP 1303  
CHINA LAKE, CA 93555-6100

Direct Delivery Address (UPS, FedEx, etc):

COMMANDER  
CODE 254430D ( (b) (6) )  
NAVAIRWARCENWPNDIV  
1 ADMINISTRATION CIRCLE, STOP 1303  
CHINA LAKE, CA 93555-6100

**Procuring Contracting Officer (PCO)**

Name: Chris Bigelow  
Phone: (760) 939- 2530  
DSN: 437-2530  
FAX: (760) 939-8107  
Email address: christopher.bigelow@navy.mil

U.S. Postal Service Mailing Address:

COMMANDER  
CODE 254430D (C. BIGELOW – 760-939-2530)  
NAVAIRWARCENWPNDIV  
1 ADMINISTRATION CIRCLE, STOP 1303  
CHINA LAKE, CA 93555-6100

Direct Delivery Address (UPS, FedEx, etc):

COMMANDER  
CODE 254430D (C. BIGELOW)  
NAVAIRWARCENWPNDIV  
1 ADMINISTRATION CIRCLE, STOP 1303  
CHINA LAKE, CA 93555-6100

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 155,100 Hours  FOB: Destination PURCHASE REQUEST NUMBER: 1300604507 PSC CD: AC54	1	Each	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0003	Data	NSP
	The contractor shall provide data in accordance with the CDRLs, DD Form 1423, Exhibit A.	

**CONTRACT MINIMUM/MAXIMUM QUANTITY AND CONTRACT VALUE**

The minimum quantity and contract value for all orders issued against this contract shall not be less than the minimum quantity and contract value stated in the following table. The maximum quantity and contract value for all orders issued against this contract shall not exceed the maximum quantity and contract value stated in the following table.

MINIMUM QUANTITY	MINIMUM AMOUNT	MAXIMUM QUANTITY	MAXIMUM AMOUNT
	\$0.00		\$ (b) (4)

**DELIVERY/TASK ORDER MINIMUM/MAXIMUM QUANTITY AND ORDER VALUE**

The minimum quantity and order value for each Delivery/Task Order issued shall not be less than the minimum quantity and order value stated in the following table. The maximum quantity and order value for each Delivery/Task Order issued shall not exceed the maximum quantity and order value stated in the following table.

MINIMUM QUANTITY	MINIMUM AMOUNT	MAXIMUM QUANTITY	MAXIMUM AMOUNT
1.00	\$ (b) (4)	(b) (4)	\$ (b) (4)

**CLIN DELIVERY/TASK ORDER MINIMUM/MAXIMUM QUANTITY AND CLIN ORDER VALUE**

The minimum quantity and order value for the given Delivery/Task Order issued for this CLIN shall not be less than the minimum quantity and order value stated in the following table. The maximum quantity and order value for the given Delivery/Task Order issued for this CLIN shall not exceed the maximum quantity and order value stated in the following table.

CLIN	MINIMUM QUANTITY	MINIMUM AMOUNT	MAXIMUM QUANTITY	MAXIMUM AMOUNT
0001		\$		\$
0002		\$		\$
0003		\$		\$

## Section C - Descriptions and Specifications

STATEMENT OF WORK

**STATEMENT OF WORK**  
**NAVAL AIR WARFARE CENTER WEAPONS DIVISION**  
**MISSION – MAINTENANCE – FUTURE REQUIREMENTS (MMFR)**  
**FOR RANGE INSTRUMENTATION SYSTEMS**  
**Date 08/22/2018**

1.0 SCOPE

This Statement of Work (SOW) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development, employment and deployment of Range instrumentation systems in the broad ocean areas and worldwide to support customers Test & Evaluation (T&E) and Technology Demonstration flight test events. Customers may include various Department of Defense (DoD) agencies such as the U.S. Navy, U.S. Army and other government/commercial entities that require deployment and operation of Range instrumentation equipment in geographic expansive areas and test architectures. This support shall include Range instrumentation system operators and maintainers, systems engineering, Operations and Maintenance (O&M), design and development of new Range instrumentation systems, engineering, mission planning, test support, configuration and data management, analysis, systems engineering, cybersecurity, logistics and inventory.

Range instrumentation support includes four primary areas: RDT&E Mission Execution, Range Instrumentation O&M, RDT&E Engineering, and Design and Development of Range Instrumentation systems.

The overarching goal of this SOW is to provide mission-ready Range instrumentation (such as telemetry and telemetry processing and decommutation, communications, radar, Electrical Optical/Infrared (EO/IR), weather, power, range safety systems), test data collection, Satellite Communication (SATCOM) and terrestrial communications in accordance with the projects test schedules and locations for their flight test events and technical demonstrations. The requirement is to design, develop, build-up and operate and maintain multiple Range instrumentations systems including SATCOM and terrestrial communications long-haul transport capability; provide mission execution services; ensure range instrumentation systems are 100% mission ready; collect, record and distribute data to meet customer requirements.

### 1.1 General Scope of Work

The contractor shall provide support of Range instrumentation systems and equipment to high visibility and complex Test and Evaluation (T&E) operations and technical demonstrations occurring primarily on geographically expansive Broad Ocean Areas, which consist of DoD test Ranges near the Pacific or Atlantic oceans or other off-range sites and locations worldwide including ship and airborne platforms, where deployment and employment of Range instrumentation equipment and services may be required to meet customer requirements.

The contractor shall assemble Range instrumentation support teams and personnel to provide “surge” support capability as tasked mission-by-mission. The contractor may augment existing government and contractor support teams. This includes any required training/certifications, mission planning and preparation, and deployment for mission execution support. Upon completion of the mission, the “surge” teams and personnel would typically disband. In most cases, the “surge” team would not provide sustaining support until called upon for the next mission via an individual task order. The contractor shall be required and encouraged to establish a “reach back” capability within its organization and possibly team with other contractors to ensure the availability of the required skill mix and ability to provide mission-by-mission “surge” support. The contractor would be tasked to provide mission-by-mission “surge” support via individual task orders.

The contractor shall be tasked to provide sustaining engineering and/or technical support. This may consist of systems engineering, engineering, analytical, and logistics support at designated test sites or installations as well as at the contractor facility. In addition, the contractor may also be called upon to provide for or augment O&M teams for Range instrumentation systems. These systems may be mobile, fixed or ship based instrumentation systems. Examples of these instrumentation based systems include communications, telemetry, telemetry processing and decommutation, EO/IR, radar, weather measurement system, Range Safety systems and electrical power systems. The contractor would be tasked to provide Sustaining and O&M support tasks via individual task orders.

The contractor shall provide support primarily on government, DOD Major Range and Test Facility Base (MRTFB) owned Range instrumentation systems and equipment. In-addition, the contractor shall design, develop and support new Range instrumentation systems.

The support required in each of the four primary areas; RDT&E Mission Execution, Range Instrumentation O&M, RDT&E Engineering and Design and Development of Range Instrumentation Systems four primary areas listed above may vary mission by mission and/or year-by-year in addition to the required personnel skill mix to satisfy customer requirements. The Contracting Officer Representative (COR) will utilize task orders for specific tasking and will provide funding task-by-task.

### 1.3 Contract Work Environment

1.3.1 It is anticipated that the majority of work done under this contract will be performed at the contractor facility. However, a significant amount of work will be performed at multiple sites located away from the contractor facility, such as geographically remote sites where fixed or mobile Range instrumentation systems are located, including ship-based and airborne Range instrumentation systems. This includes DOD MRTFB, U.S. Government-owned facilities, commercial facilities, remote field sites or other Government-designated test sites and installations in the U.S., U.S. territories, and U.S. Combatant Commands: Northern Command (NORTHCOM), United States Pacific Command (USAPACOM), United States Central Command (USCENTCOM), and United States European Command (USEUCOM) Area of Responsibility (AOR).

## **2.0 APPLICABLE DOCUMENTATION**

2.1 The following are typical documents that apply to the work under this contract. Specific documents governing the work to be performed will be identified in the respective Task Orders (TO).

- Universal Documentation System (UDS) Handbook (501-97) November 1997  
<http://jcs.mil/RCC/manuals/uds/titlepg.htm>
- Cybersecurity DoD Instruction 8500.01
- National Consensus Standard for Configuration Management ANSI/EIA-649
- Military Handbook Configuration Management Guide MIL-HDBK-61A
- NAVAIRINST 4355.19E
- DOD Directive 8570.1

## **3.0 REQUIREMENTS**

Work will be ordered under this contract by the submission of individual Task Orders.

3.1 The contractor shall provide personnel, resources and project management to perform timely, efficient, high-quality mission support. Contractor action or inaction must not cause tests or training events to be delayed or missed. Anticipated work under this contract consists of efforts for the four primary areas; RDT&E Mission Execution, Range Instrumentation O&M, RDT&E Engineering and Design and Development of New Range

Instrumentation Systems. To satisfy customer requirements, the services required in each of the four primary areas, as well as the required personnel skill mix, may vary mission-by-mission and year-by-year.

The COR will be notified of all upcoming events. The COR will then provide the contractor with written mission-specific requirements which will also be discussed at the Weekly Scheduled Meetings attended by the COR. Mission-specific requirements will be provided to the contractor in Government provided documentation such as Universal Documentation Systems (UDS), Data Management Plans, Count-Down Checklists, Test Support Plans, Launch Constraint Documents, Security Classification Guides and OPSEC documents, Asset Deployment Schedules, and Mission Execution calendars.

The contractor shall form Range instrumentation teams to execute missions in accordance with their approved Mission Execution plans. It is anticipated that the contractor will need to provide additional personnel to deploy mission-by-mission. It is expected that upon completion of the mission, the additional personnel will no longer be required. In most cases, the additional personnel will not provide sustaining effort until tasked for the next mission. The contractor shall also establish and provide a “reach back” capability within its organization and possibly team with other contractors to ensure the availability of the required skill mix to provide additional personnel for each mission.

## 3.2 Detailed Requirements

### 3.2.1 RDT&E Mission Execution

#### 3.2.1.1 Telemetry and Telemetry Processing and Decommuration

3.2.1.1.1 Before each mission, the contractor shall perform on-site system preparation and activation, to include, testing, troubleshooting, and repair or replacement to ensure telemetry and telemetry processing systems are mission-ready. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. (CDRL A001)

3.2.1.1.2 The contractor shall perform on-site operation of fixed or mobile telemetry and telemetry processing equipment to collect, record and transport data specified in mission-specific requirements documents provided by the Government for a variety of missions. The operator in control of the system shall provide telemetry, analysis, design, and operation, which generally includes pre- and post-mission calibrations, search, antenna control, signal acquisition, tracking, receiver programming, data collection and recording, and system interface with other mission and Range instrumentation systems. The contractor shall provide real-time and post mission data processing and distribution. (CDRL A002)

3.2.1.1.3 The contractor shall perform telemetry system engineering to configure or re-configure the fixed or mobile instrumentation to fulfill Mission Requirements. (CDRLs A002, A005, A006, A007)

#### 3.2.1.2 Communications

3.2.1.2.1 Before each mission, the contractor shall perform on-site system preparation and activation, to include, testing, troubleshooting, and repair or replacement to ensure communications systems are mission-ready. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. (CDRL A001)

3.2.1.2.2 The contractor shall perform on-site operation of fixed or mobile communications equipment to meet mission-specific requirements provided by the Government for a variety of missions. The operator in control of the system shall provide communications architecture, analysis, design, and operation, which generally includes pre- and post-mission calibrations and system interface with other mission and Range instrumentation systems. (CDRL A002)

3.2.1.2.3 The contractor shall provide Satellite long haul communications mission execution support to ensure the communications transport systems (voice and data) are mission ready. The contractor shall assist the government in monitoring satellite link and Range instrumentation antenna performance ensuring proper signal levels and satellite track. The contractor shall assist the government in resolving any satellite track or performance issues with the communications instrumentation assets, earth station, carrier, and any associated terrestrial communication circuits. (CDRL A002)

3.2.1.2.4 The contractor shall provide terrestrial long haul communications mission execution support to ensure the communications transport systems (voice and data) are mission ready. The contractor shall ensure that all required voice and data can be transported to each location without any data loss. The contractor shall assist the government in submission of a Period of Non Disturbance (POND) to Defense Information System Agency (DISA) and monitoring of terrestrial Authorized Service Interruption (ASIs) on any of the circuits. The contractor shall coordinate with DISA Watch Officers coordinating test events and circuit integrity and submitting trouble tickets documenting deficiency and working with DISA and the government until satisfactory resolution of the deficiency. (CDRLs A001, A002)

3.2.1.2.5 The contractor shall perform communication systems engineering to configure or re-configure equipment to fulfill Mission Requirements. (CDRLs A002, A005, A006, A007)

### 3.2.1.3 Radar

3.2.1.3.1 Before each mission, the contractor shall perform on-site system preparation and activation, to include, testing, troubleshooting, and repair or replacement to ensure radar systems are mission-ready. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. (CDRL A001)

3.2.1.3.2 The contractor shall perform on-site operation of fixed or mobile radar equipment to collect and record data to meet mission-specific requirements provided by the Government for a variety of missions. The operator in control of the system shall provide radar architecture, analysis, design, and operation, which generally includes pre- and post-mission calibrations, search, antenna control, signal acquisition, tracking, receiver programming, data collection and recording, and system interface with other mission and range instrumentation systems. The contractor shall provide post-mission data processing and data product distribution. (CDRL A002)

3.2.1.3.3 The contractor shall perform radar engineering to configure or re-configure the fixed or mobile sensor to fulfill Mission Requirements. (CDRLs A002, A005, A006, A007)

### 3.2.1.4 Electro-Optical/Infrared (EO/IR)

3.2.1.4.1 The contractor shall provide remote optical tracking and photography, high speed video, motion picture, sequential camera support, and infrared imagery to meet mission-specific requirements provided by the Government for a variety of missions. The EO/IR systems may be mobile or fixed such as on launch pads. (CDRL A002)

3.2.1.4.2 Before each mission, the contractor shall perform on-site system preparation and activation, to include, testing, troubleshooting, and repair or replacement to ensure optical systems are mission-ready. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. (CDRL A001)

3.2.1.4.3 The contractor shall provide on-site EO/IR calibration and operation, culminating in audio/visual/IR documentary coverage of space and strategic missile activities. The contractor shall set up and operate mobile EO/IR tracking mounts, as well as remote controlled tracking systems, and record data from pre-ignition through post-launch limits of both visible and IR spectrum visibility of the missile flight. The contractor shall set up and operate remote controlled fixed position cameras on and around the operation pad, recording close-up views of



missile and sub-systems functions prior to ignition, during ignition, and lift off. The contractor shall provide post-mission data processing and data product distribution. (CDRL A002)

3.2.1.4.4 The contractor shall perform EO/IR engineering to configure or re-configure the fixed or mobile sensors to fulfill Mission Requirements. (CDRLs A002, A005, A006, A007)

#### 3.2.1.5 Electrical Power Systems

3.2.1.5.1 Before each mission, the contractor shall perform on-site system preparation and activation, to include, testing, troubleshooting, and repair or replacement to ensure power systems are mission-ready, including shore, ship, and portable power systems. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. (CDRL A001)

3.2.1.5.2 The contractor shall perform power system engineering to configure or re-configure the system to ensure the applicable test resource is provided the required power. (CDRLs A002, A005, A006, A007)

#### 3.2.1.6 Range Safety Systems

3.2.1.6.1 The contractor shall provide engineering, test, troubleshooting, repair, and operation of static or mobile Range Safety systems to meet mission-specific requirement provided by the Government for a variety of missions. (CDRL A002)

3.2.1.6.2 Before each mission, the contractor shall perform on-site system preparation and activation, to include, testing, troubleshooting, and repair or replacement to ensure range safety systems are mission-ready. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. The contractor shall coordinate all safety repair actions with the COR prior to making any changes. (CDRL A001)

3.2.1.6.3 The contractor shall perform on-site operation of fixed or mobile range safety systems to perform all tasks and functions associated with range safety during missions. The operator in control of the system shall provide range safety system architecture, analysis, design, and operation. (CDRLs A002, A007)

3.2.1.6.4 The contractor shall perform range safety system engineering to configure or re-configure the fixed or mobile system as required to fulfill Mission Requirements. (CDRLs A002, A005, A006, A007)

3.2.1.6.5 The contractor shall provide field services for Range Safety/Flight Termination Systems. Operation of Range Safety Systems generally includes system operation (pre- and post-mission calibration, signal acquisition, tracking, data collection and recording), and system interface with other mission and Range instrumentation systems. (CDRLs A001, A002)

#### 3.2.1.7 Weather Measurement Systems

3.2.1.7.1 Before each mission, the contractor shall perform on-site system preparation and activation, to include, testing, troubleshooting, and repair or replacement to ensure weather measurement systems are mission-ready. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. (CDRL A001)

3.2.1.7.2 The contractor shall perform on-site operation of weather measurement systems to collect and record data specified in mission-specific requirements documents provided by the Government for a variety of missions. The operator in control of the system shall provide operation of the receiving system, weather balloon deployment, radiosonde deployment, and all secondary and tertiary support systems which generally includes pre- and post-

mission calibrations, deployment, tracking, and data collection associated with weather measurement systems. The contractor shall provide post-mission data processing and data product distribution. (CDRL A002)

3.2.1.7.3 The contractor shall perform weather measurement system engineering to configure or re-configure the system to fulfill Mission Requirements. (CDRLs A002, A005, A006, A007)

### 3.2.1.8 New Range Instrumentation Systems

3.2.1.8.1 The contractor may be assigned new instrumentation systems to provide Mission Execution support. These new range instrumentation systems may be as a result of new system development per SOW section 3.2.4 or the addition of current systems employed by DoD test agencies. Before each mission, the contractor shall perform on-site system preparation and activation, to include testing troubleshooting, and repair or replacement to ensure assigned systems are mission-ready. If system repair is required, the contractor shall identify corrective actions needed and upon approval shall purchase, install, and re-test replacement parts. (CDRLs A001, A002)

3.2.1.8.2 The contractor shall perform on-site operation of assigned systems to collect and record data specified in mission-specific requirements documents provided by the Government for a variety of missions. The operator in control of the system shall provide operation of all subsystem components which generally includes pre- and post-mission calibrations, deployment, tracking, and data collection. The contractor shall provide post-mission data processing and data product distribution. (CDRL A002)

### 3.2.2 Range Instrumentation Operations and Maintenance (O&M)

#### 3.2.2.1 Telemetry and Telemetry Processing and Decomutation

3.2.2.1.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results, for telemetry and telemetry processing systems used in the test and evaluation. Telemetry systems may be fixed or mobile, land, sea or airborne based. Maintenance actions include regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. The contractor shall calibrate and maintain applicable telemetry control and processing systems, which include Antenna Control Systems, Antenna Pedestal which includes the Servos and Servo Control System, Low Noise Amplifiers, receivers; and Ancillary Systems, which include test equipment, Power and (Heating Ventilation and Air Conditioning (HVAC)). (CDRL A002)

#### 3.2.2.2 Communication Systems

3.2.2.2.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for mobile communication systems. These communications systems are typically housed in International Standards Organization (ISO) containers, Container Express (CONEX), portable racks, and can be fixed, ship, airborne or MRTFB based. Typical components include SeaTel, FLEET Broadband or other Satellite Systems, communications networking equipment, UHF, VHF, marine ground to air radio and inter-ship communication systems. The contractor shall provide regular maintenance, calibration and pre- and post-mission maintenance ensuring communications systems are mission ready. The contractor shall provide single point of failure analysis, critical spares analysis and End of Life (EOL) assessments and documentation. (CDRL A002)

#### 3.2.2.3 Radar Systems

3.2.2.3.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results, for radar systems used in the test and evaluation. Radar systems may be fixed or mobile, land, sea or airborne based. Radar technologies may include but not be limited to parabolic, monopulse, or phased array antenna technologies. Radar operating bands may be multi or single band and multiple Pulse Repetition Frequency (PRF). Maintenance actions include regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. The contractor shall calibrate and maintain applicable radar Transmitter and Receiver Control Systems, which include Antenna Control Systems, RF Safety system, Timing Systems, Traveling Wave Tubes (TWTs), High Power

Amplifiers (HPAs), Input Microwave Systems, Antenna Pedestal which includes the Servos and Servo Control System, Low Noise Amplifiers; and Ancillary Systems, which include the Power, HVAC, Coolant and Dry Air systems. (CDRL A002)

#### 3.2.2.4 EO/IR

3.2.2.4.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results, for EO/IR systems used in the test and evaluation of DoD weapons systems. EO/IR systems may be fixed or mobile, land, sea or airborne based and include optical tracking and photography, high speed video, motion picture, sequential camera support, and infrared imagery technologies in both the visual and IR frequency spectra. Maintenance actions include, but are not limited to regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. The contractor shall calibrate and maintain applicable EO/IR control systems, which include high speed mounts, optical systems; and ancillary systems, which include test equipment, Power and HVAC. (CDRL A002)

#### 3.2.2.5 Electrical Power Systems

3.2.2.5.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for Electrical Power systems used in the test and evaluation. Electrical Power systems may be fixed or mobile, land, sea or airborne based. Maintenance actions include, but are not limited to regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. The contractor shall maintain applicable electrical power systems, which include mobile and static generators, batteries, power distribution, auto power transfer systems, cabling, and HVAC. (CDRL A002)

#### 3.2.2.6 Range Safety/Flight Termination Systems

3.2.2.6.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results, for portable/mobile Range Safety (RS) and Command Destruct (CD) Systems. RS/CD systems maybe land, sea, or airborne based. Maintenance actions include, but are not limited to, regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. The contractor shall calibrate and maintain applicable RS/CD systems, which include the Antenna Control System, Directional and Omni transmit/receive and navigation antennas, Timing Systems, Transmitter Control Systems, HPA, Antenna Pedestal, including the Servos, Servo Control System, Processing and Display Systems, and Ancillary Systems including Power and HVAC systems. (CDRL A002)

#### 3.2.2.7 Weather Measurement Systems

3.2.2.7.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for Weather Measurement Systems used in the test and evaluation. Weather systems may be fixed or mobile, land, sea or airborne based; and include such subsystems as radiosondes, balloons, receiver units, and associated computer networking. Maintenance actions include regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. The contractor shall maintain applicable component and calibration systems, which include the aforementioned radiosondes, balloons, network cabling and components, and receiver systems. (CDRL A002)

#### 3.2.2.8 New Range Instrumentation Systems

3.2.2.8.1 The contractor may be assigned a new instrumentation system to provide O&M support. These new range instrumentation systems may be as a result of new system development per SOW section 3.2.4 or the addition of current systems employed by DoD test agencies. The contractor shall provide a maintenance plan, maintenance of, and maintenance results for the new instrumentation system used in the test and evaluation of DoD weapons systems. Maintenance actions include regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. The contractor shall maintain applicable component and calibration systems. (CDRL A002)

### 3.2.2.9 Equipment Repair

3.2.2.9.1. The contractor shall provide timely equipment calibration, diagnostics and repair of equipment within a specified instrumentation system. The contractor shall ensure the repair is completed such that the instrumentation system is calibrated and returned to an operational status and ready to support missions. The contractor shall be responsible for troubleshooting, diagnosis, repair calibration or installation, and post-installation testing and documented results of both the repairable and the complete instrumentation system or subsystem. (CDRL A002)

### 3.2.2.10 O&M Sustainment Activities

3.2.2.10.1 The contractor shall provide materials and services purchase support. The contractor shall comply with the approval procedures stated in paragraph 10.0 of the SOW. Contractor purchases are for the sole purpose of maintaining operational readiness to support mission requirements. (CDRL A002)

3.2.2.10.2 The contractor shall be responsible for consumable and/or system or unit level purchases such as antennas, receivers, recorders, timing units, networking gear, test equipment, portable shelters, instrumentation vans, removable hard drives, data recording tapes and other recording media, film, radar calibration spheres and balloons, helium, cables, hardware, connectors, fasteners, lubricants, solvents, and equipment used in the support of day-to-day O&M of instrumentation systems. This may be as a result of system or component failure or repair; or spares provisioning as required to support TO requirements. The contractor shall provide a purchase request and any back-up documentation prior to any procurement action. (CDRL A002)

### 3.2.3 RDT&E Engineering

#### 3.2.3.1. Mission Planning and Test Support

3.2.3.1.1 The contractor shall research and analyze customer test requirements and develop plans to meet those requirements. The contractor shall perform mission planning support to meet mission test requirements, which generally includes day-to-day mission coordination, implementation, documentation of mission requirements, analysis, creation of deployment plans, mission countdown checklists, data management plans, concept of operations, and logistics planning. (CDRL A002)

3.2.3.1.2 As part of the test planning process, the contractor shall prepare for Government review, briefings and White Papers containing the contractor's concepts, recommendations and options for the T&E of the systems under test. The contractor may host test planning sessions and provide administrative support including records of proceedings and coordination of resulting actions. (CDRLs A002, A00D, A00E)

3.2.3.1.3 The contractor shall provide technical review, comment, re-write, and creation of technical documentation such as T&E processes, proposed Range instrumentation architecture, support agreements and program security documentation. (CDRL A002)

3.2.3.1.4 The contractor shall coordinate, facilitate and prepare, in the UDS format, responses to customer Range support requests such as Program Requirement Document (PRD), Operational Requirements (OR), Operational Directives (OD), Certification Data Packages (CDP), and Test Support Plans (TSP). In support of this task, it may be necessary for the contractor to attend and participate in UDS documentation reviews, technical exchange meetings, readiness reviews, process reviews and/or other teleconferences and meetings. The contractor may make required presentations, take, assemble, and distribute minutes that identify potential issues, problems areas, and potential areas of additional Range involvement. (CDRLs A002, A00D, A00E)

3.2.3.1.5 The contractor shall access various DOD or contractor hosted electronic websites for download of technical documentation pertaining to the tests being scheduled and coordinated. The contractor shall assemble and distribute documentation (i.e. UDS documentation, Blue Water Charts, Mission Schedules, and Checklists) accordingly in specified format such as MS Word, PDF, Power Point, Excel, and Visio. (CDRLs A002, A00D)

3.2.3.1.6 The contractor shall support troubleshooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (CDRLs A001, A002)

3.2.3.1.7 The contractor shall provide Communications terrestrial and satellite technical support. The contractor's primary duties entail: a) provide technical support to Operate and Maintain designated mission terrestrial, satellite and sea-based communication paths, networks, and associated communications equipment; b) identify and implement new and emerging Flight Test Communication requirements; c) provide on-site mission execution support; d) ensure that communication systems and paths are functional and mission ready; and e) provide assessment and recommendations to the Government for re-work or changes required as a result of parts or technological obsolescence. (CDRLs A001, A002)

3.2.3.1.8 The contractor shall assess data rate requirements and determine bandwidth requirements for both SATCOM and terrestrial circuits to meet mission requirements. The contractor shall assist the government in obtaining SATCOM and terrestrial circuits by interfacing with DISA/DITCO (Defense Information Technology Contracting Organization) addressing and resolving technical questions or issues. The contractor shall assist with the preparation and submission of SATCOM Transmission Plans and terrestrial Telcom Requests (TR) and In-Effect Reports. The contractor shall assist with and coordinate testing to ensure SATCOM and terrestrial circuits are installed and configured correctly. (CDRL A002)

3.2.3.1.9 The contractor shall provide telemetry data processing support to meet mission requirements. This shall consist of and include providing and generating Mission Simulation Tapes, Range Dynamic recordings, and Channel ID tape generation. In-addition, the contractor shall provide and generate Training Tapes including support of "Green Card" and off-nominal scenarios. The contractor shall provide and generate Mission Builds to meet mission requirements. This will include decomm loads, "strip n ship", format definitions and documentation, commutation and decommutation loads. The contractor shall perform telemetry parameter-by-parameter test and verification. The contractor shall provide and generate Mission Displays and Remote Monitoring Displays (for VIP sites) as required to meet mission requirements. (CDRLs A002, A004, A007)

### 3.2.3.2 Analysis

3.2.3.2.1 The contractor shall analyze and report on the test requirements and instrumentation architecture, performance and quality of test instrumentation and communications systems and services provided to customers. This may result in technical studies on range instrumentation systems and long haul (SATCOM and terrestrial) communication systems, trade-off analysis, Satellite and terrestrial data rates and bandwidth assessment, path diversity analysis, communications link analysis, telemetry link margin analysis, spares provisioning plans, man-power and staffing assessments and recommendations and lessons learned. The contractor shall also provide Range Equipment End of Life/End of Support (EOL/EOS) assessment, analysis and recommendations. (CDRLs A001, A002)

### 3.2.3.3 Engineering/Systems Engineering

3.2.3.3.1 The contractor shall provide systems engineering and engineering support necessary to design, develop and deploy telemetry processing and decommutation capability to meet mission requirements. This shall consist of real-time data recording, message translation, situational awareness and access control designed to merge program telemetry data collected from multiple land and mobile based assets dispersed across geographic expansive test architecture into a single time aligned data set. This could include multiple processing nodes connected across distributed communication architecture to a central processing system. Multiple telemetry processing systems could be deployed to multiple remote locations and required to operate within existing site infrastructures. (CDRLs A002, A004, A007)

3.2.3.3.2 The contractor shall perform engineering and re-engineering of Range instrumentation systems as a result of parts or technology obsolescence, EOL/EOS, new requirements, and new technologies. The contractor is encouraged to suggest new solutions to the Government regarding parts obsolescence. The contractor shall re-design or upgrade hardware, software, firmware, wiring, and interfaces, at any or all of the component, unit, or system levels. In addition, the contractor shall provide associated technical drawings and documentation. The contractor shall integrate and test the affected systems for requirements compliance. The government shall provide requirements compliance documentation to the contractor. (CDRLs A001, A002, A004, A007)

3.2.3.3.3 The contractor shall provide technical expertise and Subject Matter Experts (SME) in the areas of Test and Evaluation, voice/data communications (Satellite and terrestrial engineering, networking) and Range instrumentation (e.g. telemetry, communications, EO/IR, radar, weather, electrical power systems, Range Safety systems) to support mission planning, requirements development, mission execution and design and development of new instrumentation systems.

3.2.3.3.4. The contractor shall host technical review meetings, prepare Systems Engineering Technical Review (SETR) documents as required, host SETR meetings, and follow SETR processes and timelines as per NAVAIRINST 4355.19E for assigned tasks. (CDRLs A002, A004, A005, A006, A007, A00E)

3.2.3.3.5 The contractor shall support the government with Frequency/Spectrum allocations including assignments and authorizations for mobile instrumentation and communication systems. The contractor shall coordinate with regional frequency managers, Navy-Marine Corps spectrum offices; utilize local frequency authorization resources and organizations to obtain frequency assignments in broad open ocean areas, near CONUS and other US facilities, and/or foreign ports. The contractor shall prepare and obtain DD1494, JF12 and other standard frequency request processes/forms; or they shall provide proper information to an outside organization for frequency authorizations and approvals. The contractor shall ensure frequency allocations and government approvals are obtained to meet mission needs in area(s) of operation. (CDRL A002)

#### 3.2.3.4 Cyber Security

3.2.3.4.1 In accordance with DoDI 8500.01 and DoDI 8510.01, the contractor shall prepare Risk Management Framework (RMF) cybersecurity certification and accreditation documentation and identify and verify scanning requirements and remediation task order assigned cybersecurity enclaves. These enclaves represent Range instrumentation systems such as communication systems, earth stations, telemetry systems, and radar systems. (CDRL A002)

3.2.3.4.2 The contractor shall perform site surveys and identify infrastructure and cybersecurity equipment deficiencies. (CDRL A001)

3.2.3.4.3 The contractor shall develop RMF compliant cybersecurity certification package documentation and work with Government-designated cybersecurity Case Managers to ensure acceptance by the Designated Approval Authority (DAA). (CDRLs A002, A00B)

3.2.3.4.4 The contractor shall perform system equipment cybersecurity scans and work with enclave System Administrators to ensure remediation efforts are successful. (CDRL A002)

#### 3.2.3.5 Configuration Management and Data Management

3.2.3.5.1 The contractor shall provide Configuration Management and Data Management (CM/DM) for instrumentation systems assigned in individual TOs. Configuration management shall consist of, at minimum, configuration identification, configuration change control, configuration status accounting, configuration verification and audits, and data management. Configuration management planning shall be based upon best practices and upon the guidelines documented in EIA-649 and MIL-HDBK-61A, tailored to meet Government requirements. (CDRL A003)

3.2.3.5.2 The contractor shall access various DoD hosted electronic websites (e.g. AMRDEC) and portals via Government-authorized access for download of technical documentation pertaining to the tests being scheduled and coordinated. The contractor shall assemble and distribute documentation accordingly in specified format such as MS Word, PowerPoint, PDF, MS Visio, etc. (CDRLs A002, A00D, A00E)

### 3.2.3.6 Logistics

3.2.3.6.1 The contractor shall provide and coordinate transport, storage and movement of Range instrumentation systems and associated equipment worldwide to meet mission requirements. This equipment may move in and out of various MRTFB's, commercial facilities, U.S. territories and remote locations worldwide. Transportation methods may include ground, air, rail, barge, All Terrain Vehicles (ATVs), FEDEX, UPS, and USPS. This shall include appropriate packaging, crating, forklift and crane support as required for safe transport of the equipment. It is anticipated the contractor may store up to 2000 cubic feet of equipment at the contractor facility for periods of time in between mission execution and deployment periods. The contractor shall also provide for temporary storage facilities at field or remote sites for instrumentation systems or support equipment to meet mission requirements.

3.2.3.6.2 The contractor shall provide logistical support at NAWCWD Pt. Mugu for storage and movement of various equipment such as electronics, Range instrumentation systems, trailers, generators, and conex in and out of NAWCWD to support mission requirements. This includes coordination with Navy Public Works/NAVFAC as required for crane and forklift support. (CDRL A002)

### 3.2.3.7 Inventory

3.2.3.7.1 The contractor shall provide complete end-to-end inventory management services for assembly, subsystem, and system level property control of assigned government owned test assets. This shall include as a minimum: interfacing with Government Property personnel, processes and systems; bar-code individual parts and perform inventory of all identified system components and user-identified spare and replaceable parts; track the location, removal, return, and possible retiring of parts; and performing periodic inventories of test assets. (CDRL A002)

### 3.2.4 Design and Development of Range Instrumentation Systems

3.2.4.1 The contractor shall develop Range instrumentation systems and equipment to meet new mission requirements. This may include design, development, fabrication and build-up of Range instrumentation such as portable radar system (antenna and associated processing equipment), telemetry antenna/pedestal and associated processing equipment, telemetry decom processing equipment, EO/IR sensors and associated processing equipment, communication systems (communications architecture to transport voice and data over SATCOM and terrestrial circuits), mobile satellite communications systems such as Seatel, Fleet Broadband and associated networking equipment, range safety systems (command destruct, display processing, antenna/ pedestals and associated processing equipment), electrical power systems and equipment (self-contained generator housed in 20ft ISO conex, stand-alone generators with auto-transfer capability), GPS systems, Impact Proximity Sensor systems, and fabrication and build-up of instrumentation control vans (standard ISO Conex 20ft by 8ft by 8ft) to house and support Range instrumentation systems at remote sites and locations. This task could vary from reconfiguring or upgrading and modernizing an existing system to development of a new, stand-alone Range instrumentation system employing either current or new and emerging technologies. (CDRLs A001, A002, A004, A005, A006, A007)

3.2.4.2. The contractor shall host technical review meetings, prepare Systems Engineering Technical Review (SETR) documents as required, and follow SETR processes and timelines as per NAVAIRINST 4355.19E. Documents include Functional Requirements Documents (FRD), Requirements Traceability Matrices (RTM), Interface Control Documents (ICD), Engineering Change Proposals (ECP), etc. The contractor shall host meetings for SETR process reviews such as Preliminary Design Reviews (PDR), Critical Design Reviews (CDR), Test Readiness Reviews (TRR), etc. The contractor shall prepare SETR presentations for all review meetings. (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

### 3.3 Reserved

### 3.4 Reserved

### 3.5 Contractor Facilities

The contractor shall host and facilitate recurring and frequent meetings at the contractor facility. The contractor shall have the capacity to host a minimum of 30 persons for both Classified and Unclassified meetings. The contractor shall have the capability of providing Unclassified Video Teleconferencing (VTC) services. The contractor shall have the capacity to store up to 2000 cubic feet of range instrumentation equipment during build-up periods or in-between mission deployments. The contractor shall provide facilities necessary to support the Design and Development of Range Instrumentation Systems from SOW paragraph 3.2.4 and for Range Instrumentation O&M SOW paragraph 3.2.2 including power and HVAC requirements to support the assigned tasks. These facilities shall meet the security requirements as outlined in the DD-254.

### 3.6 Contractor Program Management, Reporting, and General Performance Requirements

3.6.1 The contractor shall establish and maintain a management system for controlling cost, schedule, and performance. The contractor shall maintain a cost accounting system that shall track, report, and invoice on each TO and a roll up to the basic contract ceiling. Additionally, the contractor's cost accounting system shall be capable of tracking, reporting, and invoicing at the Work Breakdown Structure (WBS) level 3 with each TO, when specifically required by the TO. The contractor shall submit a Monthly Contract Funds Status Report, to include reporting on Task Order Expense. (CDRL A008)

3.6.2 For each TO under this contract, the contractor shall, provide to the Government a Monthly Status Report, which highlights the events and accomplishments of the previous month's efforts. Included in the monthly report shall be a listing of travel taken during the reporting period and the results of that travel. (CDRL A009)

3.6.3 The contractor shall obtain authorization from the Contracting Officer's Representative, prior to the start of any long distance travel. (CDRL A00A)

### 3.7 Presentation Material

3.7.1 The contractor shall prepare presentation materials as specified at the task order level. (CDRL A00D)

### 3.8 Meetings, Telephone, Conference Calls, and Video teleconferences

3.8.1 The contractor shall attend meetings, telephone conference calls, and video teleconferences for the purpose of: exchanging technical information, discussing status, reviewing requirements, and planning. The contractor shall provide personnel with the appropriate technical expertise and skills, dependent upon the purpose of the discussion. These meeting shall be documented by minutes and/or presentations to record the technical issues, solutions, agreements and decisions that occurred. (CDRLs A002, A00D, A00E)

## **4.0 PERSONNEL QUALIFICATIONS.**

The Offeror shall be responsible for employing personnel having at least the minimum levels of education, professional and technical experience, and security clearance as stated under each labor category and specified herein. The SOW shall be updated to reflect any Bureau of Labor Statistics (BLS) Standard Occupational Classification (SOC) or Service Contract Labor Standards (SCLS) labor categories required for performance of the contract and not currently listed in the tables below.

### 4.1 DEFINITIONS.



As used in the minimum personnel qualification descriptions herein, the terms indicated shall be defined or their meaning qualified as follows:

academic year - a full or complete year of study at a post-secondary educational institution (i.e., junior college, college, university, technical trade, or professional school) toward which at least 30 semester hours or 45 quarter hours of undergraduate study, or 18 semester hours or 27 quarter hours of postgraduate study, were completed.

accredited institution - a post-secondary educational institution which was approved by an accrediting agency listed as nationally recognized by the U.S. Department of Education.

accredited program - an educational program or course of study offered by an accredited institution.

degree - an academic title conferred by an accredited institution upon completion of a unified course of study; if not otherwise qualified, the term shall mean a degree at the associates, bachelor's, master's, or doctoral levels only.

degree majors – all labor categories requiring degrees in the functional area of Professional Engineering specified below shall mean any of the following specific subjects, disciplines, or areas of work experience, including: aerospace, aeronautical, chemical, civil, computer, electrical, electronics, environmental, industrial, mechanical, or nuclear engineering.

experience and years of experience - When used in relation to requirements for past participation in professional work or employment activities, “experience” shall mean full-time (on the basis of a standard forty-hour work week) participation, at least one-half of which time was spent performing qualifying functions as practitioner or employee.

When used in relation to requirements for a particular term or period of participation, “years of experience” shall mean full, productive years of participation. Productive years are work years of fifty-two weeks reduced by reasonable amounts of time for holiday, annual, and sick leave. If participation was part-time, or if less than one-half of the standard work week was spent performing qualifying functions, the actual time spent performing qualifying functions may be cumulated to arrive at full years (or years and months) of experience. For example, only the actual number of full days (or full-day equivalents) of duty or drills completed during a year of military reserve participation, or in other qualifying part-time employment or practice may be cumulated toward years of experience. Qualifying part-time experience performed in addition to other full-time qualifying employment during the same period of time may be cumulated on a full-time equivalent basis and added to the full-time experience to satisfy a total experience requirement.

key personnel – are those persons designated as performing key functions or duties as to necessitate additional requirements, terms, or conditions in accordance with the SOW herein.

postgraduate degree - a master's, Ph.D., or other professional degree from an accredited institution for which completion of an undergraduate curriculum for receipt of a bachelor's degree was a prerequisite.

technical discipline - when used in relation to educational or work experience requirements, “technical discipline” shall mean a degree in the field of Mathematics or Sciences.

Technical rating – some labor categories regulated by the SCLS may contain a technical vocation rating i.e. I, II, III etc. These ratings as established by the SCLS may be substituted in accordance with the substitution standards in the SOW herein.

#### 4.2 LEVELS OF EXPERIENCE

**Junior** – A junior labor category has up to 5 years' experience and a BA/BS degree. A junior labor category is responsible for assisting more senior positions and/or performing functional duties under the oversight of more senior positions.

**Journeyman** – A journeyman labor category has 5 or more years of experience and a BA/BS degree. A journeyman labor category typically performs all functional duties independently.

**Senior** – A senior labor category has over 10 years of experience and a MA/MS degree. A senior labor category typically works on high-visibility or mission critical aspects of a given program and performs all functional duties independently. A senior labor category may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.

**Subject Matter Expert (SME)** – A SME is an individual whose qualifications and/or particular expertise are exceptional and/or highly unique. SMEs do not have specific experience/educational qualifications, but are typically identified as recognized Industry leaders for a given area of expertise. SMEs typically perform the following kinds of functions: Initiates, supervises, and provides input as to the requirements needed from a project’s inception to conclusion for complex to extremely complex programs; Provides strategic advice, technical guidance and expertise to program and project staff; Provides detailed analysis, evaluation and recommendations for improvements, optimization development, and /or maintenance efforts for client-specific or mission critical challenges/issues; Consults with clients to define need or problems, supervises studies and leads surveys to collect and analyze data to provide advice and recommend solutions.

**4.3 SUBSTITUTION FOR LEVELS OF EXPERIENCE**

Substitution Table	Junior	Journeyman	Senior
<b>Bachelor's Degree</b>	4 years' experience in the specific functional area to be performed may be substituted for a Bachelor's Degree	4 years' experience in the specific functional area to be performed may be substituted for a Bachelor's Degree	N/A
<b>Masters Degree</b>	N/A	N/A	Bachelor's Degree plus 10 years additional work experience in the specific functional area to be performed may be substituted for a Master's Degree

4.3.1. As identified below in 4.4, no substitution for levels of experience for Bachelor’s Degree is allowable for the Program Manager (PM) position.

**4.4 DIRECT LABOR CATEGORIES**

The direct labor categories below and their individual functional descriptions are derived from the Department of Labor’s Bureau of Labor Statistics. The contractor shall reference the functional descriptions at [https://www.bls.gov/soc/2018/major\\_groups.htm](https://www.bls.gov/soc/2018/major_groups.htm) by utilizing the BLS Major Group Code and corresponding BLS Standard Occupational Codes in the table below.

Bureau of Labor Statics (BLS) Labor Category	Level	BLS Major Group Code	BLS Standard Occupational Classification (SOC) Code	Hours
Electrical Engineers, Except Computer	Junior	17-2000	17-2071	5,170
Electrical Engineers, Except Computer	Journeyman	17-2000	17-2071	4,230
Electrical Engineers, Except Computer	Senior	17-2000	17-2071	6,980
Electrical Engineers, Except Computer	SME	17-2000	17-2071	3,760
Aerospace Engineering and Operations Technicians	Junior	17-2000	17-3021	2,420
Material Moving Workers, All Other	Junior	43-5000	43-5061	940
Information Security Analyst	Journeyman	15-0000	15-1122	1,880

Configuration Management Analyst	Junior	13-1000	13-1111	1,880
Logistician	Journeyman	13-1000	13-1081	1,880
Program Manager*	Senior	11-0000	11-1021	1,880

\* Program Manger must possess at a minimum a Bachelor's Degree in an engineering discipline. No substitution for Bachelor's degree is allowable for the PM position.

## **5.0 SECURITY AND CLASSIFIED DATA**

**Security:** The Contractor shall implement and maintain security procedures and controls to prevent unauthorized disclosure of controlled unclassified and classified information and to control distribution of controlled unclassified and classified information in accordance with the national Industrial Security Program Operating Manual (NISPOM) and DoDM 5200.01, Information Security Manual. The DoD Contract Security Classification Specification, DD Form 254, Attachment 2, defines program specific security requirements. All Contractor facilities shall provide an appropriate means of storage for controlled unclassified and classified documents, classified equipment and materials and other equipment and materials.

### 5.1 Personnel Security Clearances

5.1.1 The contractor shall establish a CAC/SAAR-N POC to coordinate with the Government in such matters. The CAC/SAAR-N POC shall deliver completed Trusted Associate Sponsorship Program (TASS) and SAAR-N forms electronically for approval and processing by the Government COR. SAAR-N forms should be digitally signed by all signatories using either their DOD or External Certificate Authority (ECA) issued Public Key Infrastructure (PKI) certificate.

The contractor shall provide personnel with the appropriate security clearance levels for the work to be performed, and maintain sufficiently cleared personnel to perform the tasks required by this SOW IAW the DD Form 254, and the contract. All Contractor personnel shall possess a clearance and need-to-know commensurate with the requirements of their positions. At a minimum all personnel at NAWCWD shall possess a Secret Clearance. The Government will specify classification levels for each position at the task order level.

Access to TOP SECRET information is required in the performance of this contract and shall be in accordance with DoD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM) and applicable DoD Personnel Security regulations. The contractor will require access to non -substantial Sensitive Compartmented Information (SCI) at the task order level. Access to SCI requires a final U.S. Government Top Secret Personnel Security Clearance based upon a Tier 5 (T5) or Tier 5 Reinvestigation (T5R) and SCI indoctrination. Non-substantial SCI security requirements will be addressed at the task order level.

Access to Special Access Program Information is required in performance of this contract. The contractor shall comply with all of the special program security requirements outlined within the DD Form 254.

Contractor service support personnel who do not require access to any classified material information but are assigned to sensitive national security duties shall require a favorable personnel security determination regarding his/her loyalty, reliability and trustworthiness. In accordance with DoN Implementation of Homeland Security Presidential Directive 12 (HSPD-12) and Department of Defense Standardized Investigation Request Procedures, Non National Industrial Security Program (Non-NISP) Investigations are to be conducted for contractors requiring access to an installation, require a Common Access Card and access an IT-I or IT-II system but who do not require access to classified information. Non-NISP investigations for contractor personnel will be processed through the NAWCWD Personnel Security Office.

NAWCWD Command Security Manager shall be made aware of any contractor personnel who have an investigation with an action pending, eligibility has been administratively withdrawn or pending, withdrawal of interim clearance eligibility, eligibility of no determination made, or final denial or revocation of security clearance eligibility. Contractor personnel who lose their eligibility for CUI access shall have their IT user accounts disabled immediately for IT systems that process CUI and will not have access to any federal government restricted areas, facilities, or IT systems.

#### 5.1.2 Trusted Agent and Verification access to NAWCWD

##### 5.1.2.1 Initial Common Access Card (CAC) Issuance

Contractor personnel assigned to perform work under this contract may require access to Navy IT resources (e.g., computers, laptops, personal electronic devices/personal digital assistants (PEDs/PDAs), NMCI, RDT&E networks, websites such as MyNAVAIR, and Navy Web servers) requiring CAC PKI. Contractor personnel (prime, subcontractor, consultants, and temporary employees) requiring access to Navy IT resources (including those personnel who previously signed SAAR DD Form 2875) shall electronically submit a completed System Authorization Access Request Navy (SAAR-N), OPNAV 5239/14 (Rev 9/2011) form or latest version thereof, and have initiated the requisite background investigation (or provide proof of a current background investigation) prior to accessing any Navy IT resources. In addition, contractor personnel shall have completed the latest version of DOD's Cyber Awareness Challenge training located at <http://iatraining.disa.mil/eta/cyberchallenge/launchPage.htm>, <https://www.nko.navy.mil/>, or <https://www.us.army.mil/>

##### 5.1.2.2 Annual CAC Renewal

In order to maintain access to Navy IT resources, the contractor shall complete the most current version of DOD's annual Cyber Awareness training for each year of employment and be able to present the training certificate upon request from the Government; monitor expiration of requisite background investigations, and initiate re-investigations as required.

If requested, the contractor shall provide to the COR/ACOR or designated SAAR-N Government Sponsor documentation sufficient to prove that it is monitoring/tracking the SAAR-N requirements for its employees who are accessing Navy IT resources. For those contractor personnel not in compliance with the requirements of this clause, access to Navy IT resources will be denied/revoked.

#### 5.2 Facility Security

The contractor shall meet the security requirements as outlined in the DD Form 254.

#### 5.3 Information Security

Direct Support contractor personnel working under the purview of a DoN Commanding Officer/Commander shall comply with the local security provisions and the requirements of SECNAV M-5510.36 (series). The contractor shall implement and maintain security procedures and controls to prevent unauthorized disclosure of controlled unclassified information and to control distribution of controlled unclassified information in accordance with DoD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM), and SECNAV M-5510.36.

#### 5.4 Communications Security (COMSEC)

The contractor will require access to COMSEC for the work being performed under this contract. U.S. cryptographic equipment inventory information, as well as the systems and manner in which each particular equipment is used, is for official use only. Publication or release of any related COMSEC information by any means, by the contractor, without prior written approval of the contracting officer is prohibited. The contractor must be a U.S. citizen, have a final Government security clearance with the appropriate personnel security background investigation for the level of classification involved, have strict need-to-know, have the appropriate COMSEC briefing before access is granted, and granted access only in conformance with procedures established for the particular type of COMSEC information involved. The contractor shall adhere to the DD Form 254 COMSEC security requirements, facility COMSEC material control and operating procedures, and all applicable COMSEC regulations, instructions, and policies. Prior approval from the Government Contracting Activity is required in order for a prime contractor to grant COMSEC access to a subcontractor.

### 5.5 Operations Security (OPSEC)

The contractor shall develop, implement, and maintain an OPSEC program to protect controlled unclassified and classified activities, information, equipment, and material used or developed by the contractor any subcontractor during performance of the contract. The contractor shall be responsible for the subcontractor implementation of the OPSEC requirements. The OPSEC program shall be in accordance with the National Security Decision Directive (NSDD) 298, and at a minimum shall include:

- 1) Assignment of responsibility for OPSEC direction and implementation.
- 2) Issuance of procedures and planning guidance for the use of OPSEC techniques to identify vulnerabilities and apply applicable countermeasures.
- 3) Establishment of OPSEC education and awareness training.
- 4) Provisions for management, annual review, and evaluation of OPSEC programs.
- 5) Flow down of OPSEC requirements to subcontractors when applicable.

The contractor shall prepare an Operations Security Plan for government review in accordance with CDRL (A00C)

5.6 Foreign Military Sales (FMS): Contractor personnel working in support of FMS tasking shall interface or work with foreign-nation personnel as required. Those contractor personnel shall satisfactorily complete special Government-provided security training in this area when such training is required by TO.

5.7 Computer Security: Contractors with government-furnished computer equipment and/or other computers connected to the Government computer networks shall comply with OPNAVINST 5239.1C and the contractor shall submit IT Personnel Security Reports. (CDRL A00B)

5.8 For Official Use Only (FOUO) Information: Any controlled unclassified information pertaining to this contract shall not be released for public dissemination, including posting to any social media sites such as Facebook or Twitter, unless it has been approved for public release by appropriate U.S. government authority. Proposed public releases shall be submitted for approval prior to release by filling out the form at the following link: <https://navalforms.documentservices.dla.mil/web%2FDublic/home> and following the process in NAVAIRINST 5720.10A.

For Official Use Only information generated and/or provided under this contract shall be marked and safeguarded as specified in DoDM 5200.01 (DoD Information Security Program: Controlled Unclassified Information (CUI)) Vol. 4 (enclosure 3 pages 11-18) available at [http://www.dtic.mil/whs/directives/corres/pdf/520001\\_vol4.pdf](http://www.dtic.mil/whs/directives/corres/pdf/520001_vol4.pdf).

Contractor shall not store or transmit CUI on personal IT systems or via personal e-mail. Unclassified e-mail containing any DoD CUI shall be encrypted. Prior to sending CUI to any non-Navy Marine Corps Internet (NMCI) addressees, the sender must first positively verify all recipients are authorized access to CUI and have need-to-know. Non-NMCI recipients must have a DoD compliant Private Key Infrastructure (PKI) certificate that enables electronic transmission via unclassified networks while protecting the CUI with a digital signature and encryption. All controlled unclassified technical information shall be appropriately identified and marked with the following distribution statement(s):

Distribution Statement D: Distribution authorized to the Department of Defense and U.S. DoD contractors only; Critical Technology; 24 March 2008. Other requests shall be referred to NAWCWD, Code 41130EE, 575 I Ave Suite 1, Point Mugu, CA 93042-5049.

5.9 All position/labor category equivalents require a security/interim secret clearance level within 30 days of contract award. The offeror shall apply the levels of security clearance requirements to their proposed workforce in support of the sow as applicable.

## **6.0 PLACE OF PERFORMANCE**

6.1 Approximately 60% performance is expected to take place at the contractor's facility. The other 40% of performance may take place at Government installations, commercial facilities, U.S. territories and remote locations worldwide support of mission execution and deployment periods as identified in task orders and Section 1.3 of the SOW.

## **7.0 REPORTS, DATA, AND OTHER DELIVERABLES**

This section describes the data requested in support of this contract. Requested deliverable data is described using DD Form 1423-1, *Contract Data Requirements List* (CDRL). Contractor format will be given preference in an effort to secure best value products. Deliverable products and method of delivery shall be specified in individual task orders.

7.1 System Problem Report – SPR (CDRL A001)

7.2 Technical Report - Study/Services (CDRL A002)

7.3 Configuration Status Accounting Information (CDRL A003)

7.4 Interface Control Document (CDRL A004)

7.5 Engineering Change Proposal (ECP) – A005

7.6 Notice of Revision (NOR) – A006

7.7 Developmental Design Drawing/Models and Associated Lists (CDRL A007)

7.8 Contract Funds Status Report (CDRL A008)

7.9 Monthly Status Reports (CDRL A009)

7.10 Travel Request (CDRL A00A)

7.11 Information Technology Personnel Security Report (CDRL A00B)

7.12 OSPEC Plan (CDRL A00C)

7.13 Briefing Material (A00D)

7.14 Report, Record of Meeting/Minutes Meetings, Telephone/VTC Documentation (A00E)

## **8.0 GOVERNMENT FURNISHED EQUIPMENT (GFE)/FACILITIES**

8.1 EQUIPMENT. Government furnished property and data, when required, will be provided under the contract or individual task orders and will be returned to the Government when no longer required for performance of this contract or when requested by the Government.

## **9.0 TRAVEL**

9.1 The Contractor shall be responsible for all transportation, billeting, and messing for the Contractor personnel except in those cases where Government transportation, billeting, and messing are the only services available. All travel costs will be in accordance with the Joint Travel Regulations

9.2 The contractor shall be required to perform local and non-local travel to support Section 3.0 tasking. The contractor shall submit a request for travel in support of this contract. Each request will be submitted in advance, a minimum of 1 week to the Government Contracting Officer's Representative (COR) for approval. COR approval shall be obtained prior to incurring any travel cost.

Each travel request will minimally consist of:

- Date of Request
- TO number
- Employee(s)
- Date and duration of proposed travel
- Purpose of travel
- Destination
- Cost estimate (airfare, per diem, car rental, miscellaneous expenses)
- Total travel allowance on the TO
- Total travel cost expended to date
- Approval signatures

9.2 Frequent and unscheduled local travel will occur in the contractor's local vicinity. Less frequent long distance travel is expected to occur each year between the contractor vicinity and the following domestic and foreign locations such as and will vary year-to-year based upon mission requirements:

Locations		Estimated # of Trips Per Year	Estimated # of personnel per trip	Estimated # of days per trip
From	To			
Contractor Facility	Albuquerque, NM	6	3	4
Contractor Facility	Washington, DC	4	1	3
Contractor Facility	Huntsville, AL	8	3	4
Contractor Facility	Kodiak, AK	1	6	45
Contractor Facility	Honolulu, HI	1	6	45
Contractor Facility	PMRF	1	7	45
Contractor Facility	VAFB	2	1	4
Contractor Facility	NAWCWD Pt. Mugu	8	2	4
Contractor Facility	Kwajalein Marshall Islands	1	3	45

If contractor anticipates additional travel, please provide similar table documenting travel.

Upon completion of each trip, the contractor shall submit a trip report. (CDRL A00A)

**10.0 MATERIAL AND PURCHASING**

The contractor shall manage material and consumable supplies at levels to meet mission requirements. The contractor must obtain prior approval from the COR for any purchases valued over \$500. All COR-approved purchases shall be documented in the COR files for review by the Contracting Officer. The contractor must obtain prior approval from the Contracting Officer for any purchases valued over \$20,000. To receive approval for the purchases, the contractor shall submit a consent package providing a description, price, evidence of adequate price competition, or if unavailable, a justification for use of a single source and a determination that the price is fair and reasonable. These requirements apply to all contractor purchases. The contractor shall follow the procedures in Clause 52.244-2 SUBCONTRACTS for all subcontracts over \$3,000.

**11.0 QUALITY USE SURVEILLANCE AND PERFORMANCE STANDARDS**

11.1 The contractor shall provide a quality assurance (QA) program consistent with the processes described in ISO 9001 and consistent with *Capability Maturity Model Integration for Development (CMMI-DEV)*, Version 1.2,

dated August 2006. The Government may use the on-site Defense Contract Management Agency representatives to maintain insight into the contractor QA program or utilize members of the Government test team to monitor work performed. Configuration Management processes shall be consistent with CMMI-DEV Version 1.2, dated August 2006.

11.2 PERFORMANCE SURVEILLANCE. A Surveillance Activity Checklist (SAC) is attached for information purposes. Contractor performance shall be evaluated on a periodic basis as described in the SAC.

#### CLAUSES INCORPORATED BY FULL TEXT

#### **C-TXT-ECMRA REQUIRED ENTERPRISE-WIDE CONTRACTOR MANPOWER REPORTING APPLICATION (ECMRA) INFORMATION (NOV 2017)**

The contractor shall report contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for the **Mission, Maintenance, Future Requirements (MMFR)** via a secure data collection site. Contracted services, excluded from reporting are based on Product Service Codes (PSCs). The excluded PSCs are:

- (1) W, Lease/Rental of Equipment;
- (2) X, Lease/Rental of Facilities;
- (3) Y, Construction of Structures and Facilities;
- (4) D, Automatic Data Processing and Telecommunications, IT and Telecom - Telecommunications Transmission (D304) and Internet (D322) ONLY.
- (5) S, Utilities ONLY;
- (6) V, Freight and Shipping ONLY.

The contractor is required to completely fill in all required data fields using the following web address "https://www.ecmra.mil."

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk, linked at <https://www.ecmra.mil>.



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
0002	Destination	Government	Destination	Government
0003	Destination	Government	Destination	Government

CLAUSES INCORPORATED BY REFERENCE

52.246-5	Inspection Of Services Cost-Reimbursement	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2008

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 03-APR-2019 TO 02-APR-2024	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
0002	POP 03-APR-2019 TO 02-APR-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N68936
0003	POP 03-APR-2019 TO 02-APR-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N68936

CLAUSES INCORPORATED BY REFERENCE

52.242-15 Alt I	Stop-Work Order (Aug 1989) - Alternate I	APR 1984
52.247-34	F.O.B. Destination	NOV 1991

## Section G - Contract Administration Data

## CLAUSES INCORPORATED BY FULL TEXT

## 252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall--

(1) Have a designated electronic business point of contact in the System for Award Management at <https://www.acquisition.gov>; and

(2) Be registered to use WAWF at <https://wawf.eb.mil/> following the step-by-step procedures for self-registration available at this Web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at <https://wawf.eb.mil/>.

(e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) Document type. The Contractor shall use the following document type(s).

**Cost Voucher**

(Contracting Officer: Insert applicable document type(s). Note: If a "Combo" document type is identified but not supportable by the Contractor's business systems, an "Invoice" (stand-alone) and "Receiving Report" (stand-alone) document type may be used instead.)

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

**Destination/Destination**

(Contracting Officer: Insert inspection and acceptance locations or “Not applicable”.)

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table\*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	HQ038
Issue By DoDAAC	N68936
Admin DoDAAC	S5111A
Inspect By DoDAAC	N/A
Ship To Code	N/A
Ship From Code	N/A
Mark For Code	N/A
Service Approver (DoDAAC)	N/A
Service Acceptor (DoDAAC)	N/A
Accept at Other DoDAAC	N/A
LPO DoDAAC	N/A
DCAA Auditor DoDAAC	N/A
Other DoDAAC(s)	N/A

(\*Contracting Officer: Insert applicable DoDAAC information or “See schedule” if multiple ship to/acceptance locations apply, or “Not applicable.”)

(4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) WAWF email notifications. The Contractor shall enter the email address identified below in the “Send Additional Email Notifications” field of WAWF once a document is submitted in the system.

(b) (6)

(Contracting Officer: Insert applicable email addresses or “Not applicable.”)

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity’s WAWF point of contact.

**For Navy WAWF questions, call DFAS Customer Care: 1-800-756-4571 Option 6.**

(Contracting Officer: Insert applicable information or “Not applicable.”)

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

(a) The fixed fee, as specified in Section B of this contract, subject to any adjustment required by other provisions of this contract, will be paid in installments. The fixed fee will be paid not more frequently than bi-weekly based on the allowable cost. The amount of each such installment shall be in the same ratio to the total fixed fee as the dollars per hour - \$7.613. Payment shall be made in accordance with FAR Clauses 52.216-7, "Allowable Cost and Payment," and 52.216-8, "Fixed Fee."

(b) In the event of termination of the work in accordance with the FAR Clause 52.232-22, "Limitation of Funds," the fixed fee shall be redetermined by mutual agreement equitably to reflect the reduction of the work performed. The amount by which such fixed fee is less than or exceeds payments previously made on account of fee, shall be paid to (or repaid by) the contractor.

(c) The balance of the fixed fee shall be payable in accordance with other clauses of this contract.

(d) For indefinite delivery type contracts the terms of this clause apply to each delivery/task order there under.

**5252.232-9516 ALLOTMENT OF FUNDS - INCREMENTALLY FUNDED COST-REIMBURSEMENT CONTRACT OTHER THAN COST-SHARING CONTRACT (NAVAIR)(JUL 1985) - ALT I (OCT 2005)**

For the purposes of paragraph (b) of the "Limitation of Funds" clause of this contract-

(a) The amount available for payment and allotted to this incrementally funded contract is:

Funded Cost \$ [insert dollar amount or TBD]

Funded Fee \$ [insert dollar amount or TBD]

**TOTAL FUNDS** \$ [insert dollar amount or TBD]

(b) This contract is incrementally funded and the amount currently available for payment is limited to \$[if contract, enter dollar amount; if solicitation, state "to be determined"] which includes a fixed fee amount of \$[if contract, enter dollar amount; if solicitation, state "to be determined"]. Subject to the provisions of the clause entitled "Limitation of Funds" (FAR 52.232-22) of the General Provisions of the Contract, no legal liability on the part of the Government for payment in excess of the revised total shall arise unless additional funds are made available and incorporated in a contract modification.

(c) the items covered by such amount are Item(s) [insert CLINs]; and

(d) the period of performance for which it is estimated the allotted amount will cover is [insert the period of performance (calendar date)].

\*To be completed at the task order level.

## Section H - Special Contract Requirements

## CLAUSES INCORPORATED BY FULL TEXT

**5252.211- 9510 CONTRACTOR EMPLOYEES (NAVAIR)(MAY 2011)**

(a) In all situations where contractor personnel status is not obvious, all contractor personnel are required to identify themselves to avoid creating an impression to the public, agency officials, or Congress that such contractor personnel are Government officials. This can occur during meeting attendance, through written (letter or email) correspondence or verbal discussions (in person or telephonic), when making presentations, or in other situations where their contractor status is not obvious to third parties. This list is not exhaustive. Therefore, the contractor employee(s) shall:

- (1) Not by word or deed give the impression or appearance of being a Government employee;
  - (2) Wear appropriate badges visible above the waist that identify them as contractor employees when in Government spaces, at a Government-sponsored event, or an event outside normal work spaces in support of the contract/order;
  - (3) Clearly identify themselves as contractor employees in telephone conversations and in all formal and informal written and electronic correspondence. Identification shall include the name of the company for whom they work;
  - (4) Identify themselves by name, their company name, if they are a subcontractor the name of the prime contractor their company is supporting, as well as the Government office they are supporting when participating in meetings, conferences, and other interactions in which all parties are not in daily contact with the individual contractor employee; and
  - (5) Be able to provide, when asked, the full number of the contract/order under which they are performing, and the name of the Contracting Officer's Representative.
- (b) If wearing a badge is a risk to safety and/or security, then an alternative means of identification maybe utilized if endorsed by the Contracting Officer's Representative and approved by the Contracting Officer.
- (c) The Contracting Officer will make final determination of compliance with regulations with regard to proper identification of contractor employees.

## CLAUSES INCORPORATED BY FULL TEXT

**5252.228-9501 LIABILITY INSURANCE (NAVAIR) (MAR 1999)**

The following types of insurance are required in accordance with the clause entitled, [FAR 52.228-5, "Insurance--Work on a Government Installation"](#) and [52.228-7, "Insurance--Liability to Third Persons"](#) and shall be maintained in the minimum amounts shown:

- (a) Comprehensive General Liability: \$200,000 per person and \$500,000 per accident for bodily injury.
- (b) Automobile Insurance: \$200,000 per person and 500,000 per accident for bodily injury and \$500,000 per accident for property damage.
- (c) Standard Workman's Compensation and Employer's Liability Insurance (or, where maritime employment is involved, Longshoremen's and Harbor Worker's Compensation Insurance) in the minimum amount of \$100,000.
- (d) Aircraft public and passenger liability: \$200,000 per person and \$500,000 per occurrence for bodily injury, other than passenger liability; \$200,000 per occurrence for property damage. Passenger bodily injury liability limits of \$200,000 per passenger, multiplied by the number of seats or number of passengers, whichever is greater.

**H-TXT ISSUANCE OF ORDERS USING STREAMLINED PROCEDURES (NAVAIR) (JUN 2018)**

(a) Unless the procedures in paragraph (b) are utilized, orders will be issued under this contract using the following streamlined procedures:

(1) For each proposed order, the contracting officer will provide the contractor with a statement of work (SOW) and an independent Government cost estimate (IGCE).

(2) Within three (3) working days of receipt of the SOW and IGCE, the contractor will respond with a confirmation letter that it can perform the SOW within the IGCE (i.e. the estimated cost plus fixed fee). If the contractor responds that it can, the requirement remains valid and the contracting officer determines the IGCE to represent a fair and reasonable price, a fully priced order will be issued to the contractor.

(3) If the contractor does not agree with the SOW and/or IGCE, a proposal will be submitted to the contracting officer within five (5) working days of receipt of the SOW and IGCE, addressing only the specific areas of differences. Once the differences are resolved between the contracting officer and the contractor, and the contracting officer determines that the price is fair and reasonable, a unilateral, fully priced order will be issued to the contractor.

(b) For orders under the Simplified Acquisition Procedure (SAP) threshold, the procedures for reaching agreement are as follows:

(1) The Ordering Officer shall issue a fully funded, unilaterally executed order representing a firm order for the total requirement.

(2) In the event the contractor cannot perform in accordance with the terms and conditions and within the estimated cost of the order, the contractor shall:

(i) notify the Ordering Officer within three working days

(ii) submit a proposal for the work requested in the order,

(iii) not commence performance until such time that the differences between the order and contractor's proposal are resolved and a modification, if necessary, is issued.

## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	NOV 2013
52.203-3	Gratuities	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	SEP 2006
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	MAY 2014
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	MAY 2014
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	OCT 2010
52.203-17	Contractor Employee Whistleblower Rights and Requirement To Inform Employees of Whistleblower Rights	APR 2014
52.204-4	Printed or Copied Double-Sided on Postconsumer Fiber Content Paper	MAY 2011
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards	OCT 2016
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	OCT 2015
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters	JUL 2013
52.209-10	Prohibition on Contracting With Inverted Domestic Corporations	NOV 2015
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-17	Waiver of Facilities Capital Cost of Money	OCT 1997
52.216-7	Allowable Cost And Payment	JUN 2013
52.216-8	Fixed Fee	JUN 2011
52.219-8	Utilization of Small Business Concerns	NOV 2016
52.222-3	Convict Labor	JUN 2003
52.222-21	Prohibition Of Segregated Facilities	APR 2015
52.222-26	Equal Opportunity	SEP 2016
52.222-35	Equal Opportunity for Veterans	OCT 2015
52.222-37	Employment Reports on Veterans	FEB 2016
52.222-40	Notification of Employee Rights Under the National Labor Relations Act	DEC 2010
52.222-41	Service Contract Labor Standards	AUG 2018
52.222-50	Combating Trafficking in Persons	MAR 2015
52.222-51	Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements	MAY 2014
52.222-53	Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Requirements	MAY 2014
52.223-6	Drug-Free Workplace	MAY 2001
52.223-16	Acquisition of EPEAT (R) - Registered Personal Computer Products	OCT 2015
52.223-18	Encouraging Contractor Policies To Ban Text Messaging While Driving	AUG 2011
52.225-13	Restrictions on Certain Foreign Purchases	JUN 2008
52.227-1	Authorization and Consent	DEC 2007
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	DEC 2007



52.228-5	Insurance - Work On A Government Installation	JAN 1997
52.228-7	Insurance--Liability To Third Persons	MAR 1996
52.232-17	Interest	MAY 2014
52.232-22	Limitation Of Funds	APR 1984
52.232-23 Alt I	Assignment of Claims (May 2014) - Alternate I	APR 1984
52.232-25	Prompt Payment	JAN 2017
52.233-1	Disputes	MAY 2014
52.233-3 Alt I	Protest After Award (Aug 1996) - Alternate I	JUN 1985
52.237-3	Continuity Of Services	JAN 1991
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-4	Certification of Final Indirect Costs	JAN 1997
52.242-13	Bankruptcy	JUL 1995
52.244-2 Alt I	Subcontracts (Oct 2010) - Alternate I	JUN 2007
52.245-1	Government Property	JAN 2017
52.245-9	Use And Charges	APR 2012
52.246-25	Limitation Of Liability--Services	FEB 1997
52.249-6	Termination (Cost Reimbursement)	MAY 2004
52.249-14	Excusable Delays	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7000	Requirements Relating to Compensation of Former DoD Officials	SEP 2011
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense- Contract-Related Felonies	DEC 2008
252.203-7002	Requirement to Inform Employees of Whistleblower Rights	SEP 2013
252.204-7000	Disclosure Of Information	OCT 2016
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Country that is a State Sponsor of Terrorism	OCT 2015
252.211-7007	Reporting of Government-Furnished Property	AUG 2012
252.225-7001	Buy American And Balance Of Payments Program-- Basic	DEC 2017
252.225-7002	Qualifying Country Sources As Subcontractors	DEC 2017
252.225-7012	Preference For Certain Domestic Commodities	DEC 2017
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns	SEP 2004
252.227-7013	Rights in Technical Data--Noncommercial Items	FEB 2014
252.227-7016	Rights in Bid or Proposal Information	JAN 2011
252.227-7027	Deferred Ordering Of Technical Data Or Computer Software	APR 1988
252.227-7030	Technical Data--Withholding Of Payment	MAR 2000
252.227-7037	Validation of Restrictive Markings on Technical Data	SEP 2016
252.232-7010	Levies on Contract Payments	DEC 2006
252.233-7001	Choice of Law (Overseas)	JUN 1997
252.239-7001	Information Assurance Contractor Training and Certification	JAN 2008
252.242-7006	Accounting System Administration	FEB 2012
252.243-7002	Requests for Equitable Adjustment	DEC 2012
252.245-7001	Tagging, Labeling, and Marking of Government-Furnished Property	APR 2012
252.245-7002	Reporting Loss of Government Property	DEC 2017
252.245-7003	Contractor Property Management System Administration	APR 2012
252.247-7023	Transportation of Supplies by Sea	APR 2014
252.247-7024	Notification Of Transportation Of Supplies By Sea	MAR 2000
252.251-7000	Ordering From Government Supply Sources	AUG 2012

## CLAUSES INCORPORATED BY FULL TEXT

**52.204-19 INCORPORATION BY REFERENCE OF REPRESENTATIONS AND CERTIFICATIONS (DEC 2014)**

The Contractor's representations and certifications, including those completed electronically via the System for Award Management (SAM), are incorporated by reference into the contract.

## CLAUSES INCORPORATED BY FULL TEXT

**52.204-22 ALTERNATE LINE ITEM PROPOSAL (JAN 2017)**

(a) The Government recognizes that the line items established in this solicitation may not conform to the Offeror's practices. Failure to correct these issues can result in difficulties in acceptance of deliverables and processing payments. Therefore, the Offeror is invited to propose alternate line items for which bids, proposals, or quotes are requested in this solicitation to ensure that the resulting contract is economically and administratively advantageous to the Government and the Offeror.

(b) The Offeror may submit one or more additional proposals with alternative line items, provided that alternative line items are consistent with subpart 4.10 of the Federal Acquisition Regulation. However, acceptance of an alternative proposal is a unilateral decision made solely at the discretion of the Government. Offers that do not comply with the line items specified in this solicitation may be determined to be nonresponsive or unacceptable.

## CLAUSES INCORPORATED BY FULL TEXT

**52.204-23 PROHIBITION ON CONTRACTING FOR HARDWARE, SOFTWARE, AND SERVICES DEVELOPED OR PROVIDED BY KASPERSKY LAB AND OTHER COVERED ENTITIES (JUL 2018)**

(a) Definitions. As used in this clause--

Covered article means any hardware, software, or service that--

- (1) Is developed or provided by a covered entity;
- (2) Includes any hardware, software, or service developed or provided in whole or in part by a covered entity; or
- (3) Contains components using any hardware or software developed in whole or in part by a covered entity.

Covered entity means--

- (1) Kaspersky Lab;
- (2) Any successor entity to Kaspersky Lab;

(3) Any entity that controls, is controlled by, or is under common control with Kaspersky Lab; or

(4) Any entity of which Kaspersky Lab has a majority ownership.

(b) Prohibition. Section 1634 of Division A of the National Defense Authorization Act for Fiscal Year 2018 (Pub. L. 115-91) prohibits Government use of any covered article. The Contractor is prohibited from--

(1) Providing any covered article that the Government will use on or after October 1, 2018; and

(2) Using any covered article on or after October 1, 2018, in the development of data or deliverables first produced in the performance of the contract.

(c) Reporting requirement.

(1) In the event the Contractor identifies a covered article provided to the Government during contract performance, or the Contractor is notified of such by a subcontractor at any tier or any other source, the Contractor shall report, in writing, to the Contracting Officer or, in the case of the Department of Defense, to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (c)(1) of this clause:

(i) Within 1 business day from the date of such identification or notification: The contract number; the order number(s), if applicable; supplier name; brand; model number (Original Equipment Manufacturer (OEM) number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the report pursuant to paragraph (c)(1) of this clause: Any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of a covered article, any reasons that led to the use or submission of the covered article, and any additional efforts that will be incorporated to prevent future use or submission of covered articles.

(d) Subcontracts. The Contractor shall insert the substance of this clause, including this paragraph (d), in all subcontracts, including subcontracts for the acquisition of commercial items.

(End of clause)

#### **52.216-22 INDEFINITE QUANTITY (OCT 1995)**

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum." The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum."

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after **the expiration of the Period of Performance of all outstanding Task Orders.**

**52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)**

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within **30 days prior to executing the option.**

**52.219-4 NOTICE OF PRICE EVALUATION FOR HUBZONE SMALL BUSINESS CONCERNS (OCT 2014)**

(a) Definition. See 13 CFR 125.6(e) for definitions of terms used in paragraph (d).

(b) Evaluation preference.

(1) Offers will be evaluated by adding a factor of 10 percent to the price of all offers, except-

- (i) Offers from HUBZone small business concerns that have not waived the evaluation preference; and
- (ii) Otherwise successful offers from small business concerns.

(2) The factor of 10 percent shall be applied on a line item basis or to any group of items on which award may be made. Other evaluation factors described in the solicitation shall be applied before application of the factor.

(3) When the two highest rated offerors are a HUBZone small business concern and a large business, and the evaluated offer of the HUBZone small business concern is equal to the evaluated offer of the large business after considering the price evaluation preference, award will be made to the HUBZone small business concern.

(c) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.

[ ] Offer elects to waive the evaluation preference.

(d) Agreement. A HUBZone small business concern agrees that in the performance of the contract, in the case of a contract for

(1) Services (except construction), at least 50 percent of the cost of personnel for contract performance will be spent for employees of the concern or employees of other HUBZone small business concerns;

(2) Supplies (other than procurement from a nonmanufacturer of such supplies), at least 50 percent of the cost of manufacturing, excluding the cost of materials, will be performed by the concern or other HUBZone small business concerns;

(3) General construction. (i) At least 15 percent of the cost of contract performance to be incurred for personnel will be spent on the prime contractor's employees;

(ii) At least 50 percent of the cost of the contract performance to be incurred for personnel will be spent on the prime contractor's employees or on a combination of the prime contractor's employees and employees of HUBZone small business concern subcontractors;

(iii) No more than 50 percent of the cost of contract performance to be incurred for personnel will be subcontracted to concerns that are not HUBZone small business concerns; or

(4) Construction by special trade contractors. (i) At least 25 percent of the cost of contract performance to be incurred for personnel will be spent on the prime contractor's employees;

(ii) At least 50 percent of the cost of the contract performance to be incurred for personnel will be spent on the prime contractor's employees or on a combination of the prime contractor's employees and employees of HUBZone small business concern subcontractors;

(iii) No more than 50 percent of the cost of contract performance to be incurred for personnel will be subcontracted to concerns that are not HUBZone small business concerns.

(e) A HUBZone joint venture agrees that the aggregate of the HUBZone small business concerns to the joint venture, not each concern separately, will perform the applicable percentage of work requirements.

(f)(1) When the total value of the contract exceeds \$25,000, a HUBZone small business concern nonmanufacturer agrees to furnish in performing this contract only end items manufactured or produced by HUBZone small business concern manufacturers.

(2) When the total value of the contract is equal to or less than \$25,000, a HUBZone small business concern nonmanufacturer may provide end items manufactured by other than a HUBZone small business concern manufacturer provided the end items are produced or manufactured in the United States.

(3) Paragraphs (f)(1) and (f)(2) of this section do not apply in connection with construction or service contracts.

(g) Notice. The HUBZone small business offeror acknowledges that a prospective HUBZone awardee must be a HUBZone small business concern at the time of award of this contract. The HUBZone offeror shall provide the Contracting Officer a copy of the notice required by 13 CFR 126.501 if material changes occur before contract award that could affect its HUBZone eligibility. If the apparently successful HUBZone offeror is not a HUBZone small business concern at the time of award of this contract, the Contracting Officer will proceed to award to the next otherwise successful HUBZone small business concern or other offeror.

#### 52.219-9 SMALL BUSINESS SUBCONTRACTING PLAN (DEVIATION 2018-00018) (AUG 2018)

(a) This clause does not apply to small business concerns.

(b) Definitions. As used in this clause -

“Alaska Native Corporation (ANC)” means any Regional Corporation, Village Corporation, Urban Corporation, or Group Corporation organized under the laws of the State of Alaska in accordance with the Alaska Native Claims Settlement Act, as amended ([43 U.S.C. 1601](#), et seq.) and which is considered a minority and economically disadvantaged concern under the criteria at [43 U.S.C. 1626\(e\)\(1\)](#). This definition also includes ANC direct and indirect subsidiary corporations, joint ventures, and partnerships that meet the requirements of [43 U.S.C. 1626\(e\)\(2\)](#).

“Commercial item” means a product or service that satisfies the definition of commercial item in section [2.101](#) of the Federal Acquisition Regulation.

“Commercial plan” means a subcontracting plan (including goals) that covers the offeror’s fiscal year and that applies to the entire production of commercial items sold by either the entire company or a portion thereof (e.g., division, plant, or product line).

“Electronic Subcontracting Reporting System (eSRS)” means the Governmentwide, electronic, web-based system for small business subcontracting program reporting. The eSRS is located at <http://www.esrs.gov>.

“Indian tribe” means any Indian tribe, band, group, pueblo, or community, including native villages and native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act ([43 U.S.C.A. 1601](#) et seq.), that is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs in accordance with [25 U.S.C. 1452\(c\)](#). This definition also includes Indian-owned economic enterprises that meet the requirements of [25 U.S.C. 1452\(e\)](#).

“Individual contract plan” means a subcontracting plan that covers the entire contract period (including option periods), applies to a specific contract, and has goals that are based on the offeror’s planned subcontracting in support of the specific contract, except that indirect costs incurred for common or joint purposes may be allocated on a prorated basis to the contract.

“Master plan” means a subcontracting plan that contains all the required elements of an individual contract plan, except goals, and may be incorporated into individual contract plans, provided the master plan has been approved.

“Subcontract” means any agreement (other than one involving an employer-employee relationship) entered into by a Federal Government prime Contractor or subcontractor calling for supplies or services required for performance of the contract or subcontract.

(c) The offeror, upon request by the Contracting Officer, shall submit and negotiate a subcontracting plan, where applicable, that separately addresses subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business concerns, small disadvantaged business, and women-owned small business concerns. If the offeror is submitting an individual contract plan, the plan must separately address subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns, with a separate part for the basic contract and separate parts for each option (if any). The plan shall be included in and made a part of the resultant contract. The subcontracting plan shall be negotiated within the time specified by the Contracting Officer. Failure to submit and negotiate the subcontracting plan shall make the offeror ineligible for award of a contract.

(d) The Offeror’s subcontracting plan shall include the following:

(1) Goals, expressed in terms of percentages of total planned subcontracting dollars, for the use of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns as subcontractors. The offeror shall include all sub-contracts that contribute to contract performance, and may include a proportionate share of products and services that are normally allocated as indirect costs. In accordance with [43 U.S.C. 1626](#):

(i) Subcontracts awarded to an ANC or Indian tribe shall be counted towards the subcontracting goals for small business and small disadvantaged business (SDB) concerns, regardless of the size or Small Business Administration certification status of the ANC or Indian tribe.

(ii) Where one or more subcontractors are in the subcontract tier between the prime contractor and the ANC or Indian tribe, the ANC or Indian tribe shall designate the appropriate contractor(s) to count the subcontract towards its small business and small disadvantaged business subcontracting goals.

(A) In most cases, the appropriate Contractor is the Contractor that awarded the subcontract to the ANC or Indian tribe.

(B) If the ANC or Indian tribe designates more than one Contractor to count the subcontract toward its goals, the ANC or Indian tribe shall designate only a portion of the total subcontract award to each Contractor. The sum of the amounts designated to various Contractors cannot exceed the total value of the subcontract.

(C) The ANC or Indian tribe shall give a copy of the written designation to the Contracting Officer, the prime Contractor, and the subcontractors in between the prime Contractor and the ANC or Indian tribe within 30 days of the date of the subcontract award.

(D) If the Contracting Officer does not receive a copy of the ANC’s or the Indian tribe’s written designation within 30 days of the subcontract award, the Contractor that awarded the subcontract to the ANC or Indian tribe will be considered the designated Contractor.

(2) A statement of—

- (i) Total dollars planned to be subcontracted for an individual contract plan; or the offeror's total projected sales, expressed in dollars, and the total value of projected subcontracts to support the sales for a commercial plan;
  - (ii) Total dollars planned to be subcontracted to small business concerns (including ANC and Indian tribes);
  - (iii) Total dollars planned to be subcontracted to veteran-owned small business concerns;
  - (iv) Total dollars planned to be subcontracted to service-disabled veteran-owned small business;
  - (v) Total dollars planned to be subcontracted to HUBZone small business concerns;
  - (vi) Total dollars planned to be subcontracted to small disadvantaged business concerns (including ANCs and Indian tribes); and
  - (vii) Total dollars planned to be subcontracted to women-owned small business concerns.
- (3) A description of the principal types of supplies and services to be subcontracted, and an identification of the types planned for subcontracting to—
- (i) Small business concerns;
  - (ii) Veteran-owned small business concerns;
  - (iii) Service-disabled veteran-owned small business concerns;
  - (iv) HUBZone small business concerns;
  - (v) Small disadvantaged business concerns; and
  - (vi) Women-owned small business concerns.
- (4) A description of the method used to develop the subcontracting goals in paragraph (d)(1) of this clause.
- (5) A description of the method used to identify potential sources for solicitation purposes (e.g., existing company source lists, the System for Award Management (SAM), veterans service organizations, the National Minority Purchasing Council Vendor Information Service, the Research and Information Division of the Minority Business Development Agency in the Department of Commerce, or small, HUBZone, small disadvantaged, and women-owned small business trade associations). A firm may rely on the information contained in SAM as an accurate representation of a concern's size and ownership characteristics for the purposes of maintaining a small, veteran-owned small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business source list. Use of SAM as its source list does not relieve a firm of its responsibilities (e.g., outreach, assistance, counseling, or publicizing subcontracting opportunities) in this clause.
- (6) A statement as to whether or not the offeror included indirect costs in establishing subcontracting goals, and a description of the method used to determine the proportionate share of indirect costs to be incurred with—
- (i) Small business concerns (including ANC and Indian tribes);
  - (ii) Veteran-owned small business concerns;
  - (iii) Service-disabled veteran-owned small business concerns;

- (iv) HUBZone small business concerns;
  - (v) Small disadvantaged business concerns (including ANC and Indian tribes); and
  - (vi) Women-owned small business concerns.
- (7) The name of the individual employed by the offeror who will administer the offeror's subcontracting program, and a description of the duties of the individual.
- (8) A description of the efforts the offeror will make to assure that small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns have an equitable opportunity to compete for subcontracts.
- (9) Assurances that the offeror will include the clause of this contract entitled "Utilization of Small Business Concerns" in all subcontracts that offer further subcontracting opportunities, and that the offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of \$700,000 (\$1.5 million for construction of any public facility) with further subcontracting possibilities to adopt a subcontracting plan that complies with the requirements of this clause.
- (10) Assurances that the offeror will—
- (i) Cooperate in any studies or surveys as may be required;
  - (ii) Submit periodic reports so that the Government can determine the extent of compliance by the offeror with the subcontracting plan;
  - (iii) Submit the Individual Subcontract Report (ISR) and/or the Summary Subcontract Report (SSR), in accordance with paragraph (1) of this clause using the Electronic Subcontracting Reporting System (eSRS) at <http://www.esrs.gov>. The reports shall provide information on subcontract awards to small business concerns (including ANCs and Indian tribes that are not small businesses), veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns (including ANCs and Indian tribes that have not been certified by the Small Business Administration as small disadvantaged businesses), women-owned small business concerns, and for NASA only, Historically Black Colleges and Universities and Minority Institutions. Reporting shall be in accordance with this clause;
  - (iv) Ensure that its subcontractors with subcontracting plans agree to submit the ISR and/or the SSR using eSRS;
  - (v) Provide its prime contract number, its unique entity identifier, and the e-mail address of the offeror's official responsible for acknowledging receipt of or rejecting the ISRs, to all first-tier subcontractors with subcontracting plans so they can enter this information into the eSRS when submitting their ISRs; and
  - (vi) Require that each subcontractor with a subcontracting plan provide the prime contract number, its own unique entity identifier, and the e-mail address of the subcontractor's official responsible for acknowledging receipt of or rejecting the ISRs, to its subcontractors with subcontracting plans.
- (11) A description of the types of records that will be maintained concerning procedures that have been adopted to comply with the requirements and goals in the plan, including establishing source lists; and a description of the offeror's efforts to locate small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns and award subcontracts to them. The records shall include at least the following (on a plant-wide or company-wide basis, unless otherwise indicated):



- (i) Source lists (e.g., SAM), guides, and other data that identify small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.
- (ii) Organizations contacted in an attempt to locate sources that are small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, or women-owned small business concerns.
- (iii) Records on each subcontract solicitation resulting in an award of more than the simplified acquisition threshold, indicating -
  - (A) Whether small business concerns were solicited and, if not, why not;
  - (B) Whether veteran-owned small business concerns were solicited and, if not, why not;
  - (C) Whether service-disabled veteran-owned small business concerns were solicited and, if not, why not;
  - (D) Whether HUBZone small business concerns were solicited and, if not, why not;
  - (E) Whether small disadvantaged business concerns were solicited and, if not, why not;
  - (F) Whether women-owned small business concerns were solicited and, if not, why not; and
  - (G) If applicable, the reason award was not made to a small business concern.
- (iv) Records of any outreach efforts to contact—
  - (A) Trade associations;
  - (B) Business development organizations;
  - (C) Conferences and trade fairs to locate small, HUBZone small, small disadvantaged, and women-owned small business sources; and
  - (D) Veterans service organizations.
- (v) Records of internal guidance and encouragement provided to buyers through—
  - (A) Workshops, seminars, training, etc.; and
  - (B) Monitoring performance to evaluate compliance with the program's requirements.
- (vi) On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor. Contractors having commercial plans need not comply with this requirement.
- (e) In order to effectively implement this plan to the extent consistent with efficient contract performance, the Contractor shall perform the following functions:
  - (1) Assist small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns by arranging solicitations,

time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation by such concerns. Where the Contractor's lists of potential small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business subcontractors are excessively long, reasonable effort shall be made to give all such small business concerns an opportunity to compete over a period of time.

(2) Provide adequate and timely consideration of the potentialities of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns in all "make-or-buy" decisions.

(3) Counsel and discuss subcontracting opportunities with representatives of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business firms.

(4) Confirm that a subcontractor representing itself as a HUBZone small business concern is identified as a certified HUBZone small business concern by accessing the SAM database or by contacting SBA.

(5) Provide notice to subcontractors concerning penalties and remedies for misrepresentations of business status as small, veteran-owned small business, HUBZone small, small disadvantaged, or women-owned small business for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in the Contractor's subcontracting plan.

(6) For all competitive subcontracts over the simplified acquisition threshold in which a small business concern received a small business preference, upon determination of the successful subcontract offeror, the Contractor must inform each unsuccessful small business subcontract offeror in writing of the name and location of the apparent successful offeror prior to award of the contract.

(f) A master plan on a plant or division-wide basis that contains all the elements required by paragraph (d) of this clause, except goals, may be incorporated by reference as a part of the subcontracting plan required of the offeror by this clause; provided—

(1) The master plan has been approved;

(2) The offeror ensures that the master plan is updated as necessary and provides copies of the approved master plan, including evidence of its approval, to the Contracting Officer; and

(3) Goals and any deviations from the master plan deemed necessary by the Contracting Officer to satisfy the requirements of this contract are set forth in the individual subcontracting plan.

(g) A commercial plan is the preferred type of subcontracting plan for contractors furnishing commercial items. The commercial plan shall relate to the offeror's planned subcontracting generally, for both commercial and Government business, rather than solely to the Government contract. Once the Contractor's commercial plan has been approved, the Government will not require another subcontracting plan from the same Contractor while the plan remains in effect, as long as the product or service being provided by the Contractor continues to meet the definition of a commercial item. A Contractor with a commercial plan shall comply with the reporting requirements stated in paragraph (d)(10) of this clause by submitting one SSR in eSRS for all contracts covered by its commercial plan. This report shall be acknowledged or rejected in eSRS by the Contracting Officer who approved the plan. This report shall be submitted within 30 days after the end of the Government's fiscal year.

(h) Prior compliance of the offeror with other such subcontracting plans under previous contracts will be considered by the Contracting Officer in determining the responsibility of the offeror for award of the contract.

- (i) A contract may have no more than one plan. When a modification meets the criteria in [19.702](#) for a plan, or an option is exercised, the goals associated with the modification or option shall be added to those in the existing subcontract plan.
- (j) Subcontracting plans are not required from subcontractors when the prime contract contains the clause at [52.212-5](#), Contract Terms and Conditions Required to Implement Statutes or Executive Orders—Commercial Items, or when the subcontractor provides a commercial item subject to the clause at [52.244-6](#), Subcontracts for Commercial Items, under a prime contract.
- (k) The failure of the Contractor or subcontractor to comply in good faith with—
- (1) The clause of this contract entitled “Utilization Of Small Business Concerns;” or
  - (2) An approved plan required by this clause, shall be a material breach of the contract.
- (l) The Contractor shall submit ISRs and SSRs using the web-based eSRS at <http://www.esrs.gov>. Purchases from a corporation, company, or subdivision that is an affiliate of the prime Contractor or subcontractor are not included in these reports. Subcontract award data reported by prime Contractors and subcontractors shall be limited to awards made to their immediate next-tier subcontractors. Credit cannot be taken for awards made to lower tier subcontractors, unless the Contractor or subcontractor has been designated to receive a small business or small disadvantaged business credit from an ANC or Indian Tribe. Only subcontracts involving performance in the United States or its outlying areas should be included in these reports.
- (1) ISR. This report is not required for commercial plans. The report is required for each contract containing an individual subcontract plan.
- (i) The report shall be submitted semi-annually during contract performance for the periods ending March 31 and September 30. A report is also required for each contract within 30 days of contract completion. Reports are due 30 days after the close of each reporting period, unless otherwise directed by the Contracting Officer. Reports are required when due, regardless of whether there has been any subcontracting activity since the inception of the contract or the previous reporting period.
- (ii) When a subcontracting plan contains separate goals for the basic contract and each option, as prescribed by FAR [19.704\(c\)](#), the dollar goal inserted on this report shall be the sum of the base period through the current option; for example, for a report submitted after the second option is exercised, the dollar goal would be the sum of the goals for the basic contract, the first option, and the second option.
- (iii) The authority to acknowledge receipt or reject the ISR resides—
- (A) In the case of the prime Contractor, with the Contracting Officer; and
  - (B) In the case of a subcontract with a subcontracting plan, with the entity that awarded the subcontract.
- (2) SSR.
- (i) Reports submitted under individual contract plans—
- (A) This report encompasses all subcontracting under prime contracts and subcontracts with the awarding agency, regardless of the dollar value of the subcontracts.
  - (B) The report may be submitted on a corporate, company or subdivision (e.g. plant or division operating as a separate profit center) basis.

(C) If a prime Contractor and/or subcontractor is performing work for more than one executive agency, a separate report shall be submitted to each executive agency covering only that agency's contracts, provided at least one of that agency's contracts is over \$700,000 (over \$1.5 million for construction of a public facility) and contains a subcontracting plan. For DoD, a consolidated report shall be submitted for all contracts awarded by military departments/agencies and/or subcontracts awarded by DoD prime Contractors.

(D) The consolidated SSR shall be submitted annually for the twelve month period ending September 30. The report is due 30 days after the close of each reporting period.

(E) Subcontract awards that are related to work for more than one executive agency shall be appropriately allocated.

(F) The authority to acknowledge or reject SSRs in eSRS, including SSRs submitted by subcontractors with subcontracting plans, resides with the Government agency awarding the prime contracts unless stated otherwise in the contract.

(ii) Reports submitted under a commercial plan—

(A) The report shall include all subcontract awards under the commercial plan in effect during the Government's fiscal year.

(B) The report shall be submitted annually, within thirty days after the end of the Government's fiscal year.

(C) If a Contractor has a commercial plan and is performing work for more than one executive agency, the Contractor shall specify the percentage of dollars attributable to each agency from which contracts for commercial items were received.

(D) The authority to acknowledge or reject SSRs for commercial plans resides with the Contracting Officer who approved the commercial plan.

(End of clause)

#### **52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (JUL 2013)**

(a) Definitions. As used in this clause--

Long-term contract means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause. Such a concern is "not dominant in its field of operation" when it does not exercise a controlling or major influence on a national basis in a kind of business activity in which a number of business concerns are primarily engaged. In determining whether dominance exists, consideration shall be given to all appropriate factors, including volume of business, number of employees, financial resources, competitive status or position, ownership or control of materials, processes, patents, license agreements, facilities, sales territory, and nature of business activity.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts--

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the date specified in the contract for exercising any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/content/table-small-business-size-standards/>.

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the rerepresentation required by paragraph (b) of this clause by validating or updating all its representations and Certification section of the System for Award Management (SAM) and its other data in SAM, as necessary, to ensure that they reflect the Contractor's current status. The Contractor shall notify the contracting office in writing within the timeframes specified in paragraph (b) of this clause that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in SAM, or does not have a representation in SAM for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it [ ] is, [ ] is not a small business concern under NAICS Code 541330 assigned to contract number [\_\_\_\_\_].

[Contractor to sign and date and insert authorized signer's name and title].

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signer's Printed Name

\_\_\_\_\_  
Signer's Title

**52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)**

(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed **\$0** or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall--

- (1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;
- (2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;
- (3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and
- (4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

**52.222-17 NONDISPLACEMENT OF QUALIFIED WORKERS (MAY 2014)**

(a) Service employee, as used in this clause, means any person engaged in the performance of a service contract other than any person employed in a bona fide executive, administrative, or professional capacity, as those terms are defined in 29 CFR part 541. The term "service employee" includes all such persons regardless of any contractual relationship that may be alleged to exist between a contractor or subcontractor and such persons.

(b) The Contractor and its subcontractors shall, except as otherwise provided herein, in good faith offer those service employees employed under the predecessor contract whose employment will be terminated as a result of award of this contract or the expiration of the contract under which the service employees were hired, a right of first refusal of employment under this contract in positions for which the service employees are qualified.

(1) The Contractor and its subcontractors shall determine the number of service employees necessary for efficient performance of this contract and may elect to employ fewer employees than the predecessor Contractor employed in connection with performance of the work.

(2) Except as provided in paragraph (c) of this clause, there shall be no employment opening under this contract, and the Contractor and any subcontractors shall not offer employment under this contract, to any person prior to having complied fully with this obligation.

(i) The successor Contractor and its subcontractors shall make a bona fide express offer of employment to each service employee as provided herein and shall state the time within which the service employee must accept such offer, but in no case shall the period within which the service employee must accept the offer of employment be less than 10 days.

(ii) The successor Contractor and its contractors shall decide any question concerning a service employee's qualifications based upon the individual's education and employment history, with particular emphasis on the employee's experience on the predecessor contract, and the Contractor may utilize employment screening processes only when such processes are provided for by the contracting agency, are conditions of the service contract, and are consistent with Executive Order 13495.

(iii) Where the successor Contractor does not initially offer employment to all the predecessor contract service employees, the obligation to offer employment shall continue for 90 days after the successor contractor's first date of performance on the contract.

(iv) An offer of employment will be presumed to be bona fide even if it is not for a position similar to the one the employee previously held, but is one for which the employee is qualified, and even if it is subject to different employment terms and conditions, including changes to pay or benefits. (See 29 CFR 9.12 for a detailed description of a bonafide offer of employment).

(c)(1) Notwithstanding the obligation under paragraph (b) of this clause, the successor Contractor and any subcontractors (i) may employ under this contract any service employee who has worked for the contractor or subcontractor for at least three months immediately preceding the commencement of this contract and who would otherwise face lay-off or discharge, (ii) are not required to offer a right of first refusal to any service employee(s) of the predecessor contractor who are not service employees within the meaning of the Service Contract Labor Standards statute, 41 U.S.C. 6701(3), and (iii) are not required to offer a right of first refusal to any service employee(s) of the predecessor contractor whom the Contractor or any of its subcontractors reasonably believes, based on the particular service employee's past performance, has failed to perform suitably on the job (see 29 CFR 9.12(c)(4) for additional information). The successor Contractor bears the responsibility of demonstrating the appropriateness of claiming any of these exceptions.

(2) In addition, any Contractor or subcontractor that has been certified by the U.S. Small Business Administration as a HUBZone small business concern must ensure that it complies with the statutory and regulatory

requirements of the HUBZone Program (e.g., it must ensure that at least 35 percent of all of its employees reside within a HUBZone). The HUBZone small business Contractor or subcontractor must consider whether it can meet the requirements of this clause and Executive Order 13495 while also ensuring it meets the HUBZone Program's requirements.

(3) Nothing in this clause shall be construed to permit a Contractor or subcontractor to fail to comply with any provision of any other Executive order or law. For example, the requirements of the HUBZone Program (see FAR subpart 19.13), Executive Order 11246 (Equal Employment Opportunity), and the Vietnam Era Veterans' Readjustment Assistance Act of 1974 may conflict, in certain circumstances, with the requirements of Executive Order 13495. All applicable laws and Executive orders must be satisfied in tandem with, and if necessary prior to, the requirements of Executive Order 13495, 29 CFR part 9, and this clause.

(d)(1) The Contractor shall, not less than 30 days before completion of the Contractor's performance of services on the contract, furnish the Contracting Officer with a certified list of the names of all service employees working under this contract and its subcontracts at the time the list is submitted. The list shall also contain anniversary dates of employment of each service employee under this contract and its predecessor contracts with either the current or predecessor contractors or their subcontractors. Where changes to the workforce are made after the submission of the certified list described in this paragraph, the Contractor shall, in accordance with paragraph (e) of this clause, not less than 10 days before completion of the services on this contract, furnish the Contracting Officer with an updated certified list of the names of all service employees employed within the last month of contract performance. The updated list shall also contain anniversary dates of employment, and, where applicable, dates of separation of each service employee under the contract and its predecessor contracts with either the current or predecessor Contractors or their subcontractors.

(2) Immediately upon receipt of the certified service employee list but not before contract award, the contracting officer shall provide the certified service employee list to the successor contractor, and, if requested, to employees of the predecessor contractor or subcontractors or their authorized representatives.

(3) The Contracting Officer will direct the predecessor Contractor to provide written notice (Appendix B to 29 CFR chapter 9) to service employees of their possible right to an offer of employment with the successor contractor. Where a significant portion of the predecessor Contractor's workforce is not fluent in English, the notice shall be provided in English and the language(s) with which service employees are more familiar. The written notice shall be--

(i) Posted in a conspicuous place at the worksite; or

(ii) Delivered to the service employees individually. If such delivery is via email, the notification must result in an electronic delivery receipt or some other reliable confirmation that the intended recipient received the notice.

(e)(1) If required in accordance with 52.222-41(n), the predecessor Contractor shall, not less than 10 days before completion of this contract, furnish the Contracting Officer a certified list of the names of all service employees working under this contract and its subcontracts during the last month of contract performance. The list shall also contain anniversary dates of employment of each service employee under this contract and its predecessor contracts either with the current or predecessor Contractors or their subcontractors. If there are no changes to the workforce before the predecessor contract is completed, then the predecessor Contractor is not required to submit a revised list 10 days prior to completion of performance and the requirements of 52.222-41(n) are met. When there are changes to the workforce after submission of the 30-day list, the predecessor Contractor shall submit a revised certified list not less than 10 days prior to performance completion.

(2) Immediately upon receipt of the certified service employee list but not before contract award, the contracting officer shall provide the certified service employee list to the successor contractor, and, if requested, to employees of the predecessor contractor or subcontractors or their authorized representatives.

(f) The Contractor and subcontractor shall maintain the following records (regardless of format, e.g., paper or electronic) of its compliance with this clause for not less than a period of three years from the date the records were created.

(1) Copies of any written offers of employment or a contemporaneous written record of any oral offers of employment, including the date, location, and attendance roster of any service employee meeting(s) at which the offers were extended, a summary of each meeting, a copy of any written notice that may have been distributed, and the names of the service employees from the predecessor contract to whom an offer was made.

(2) A copy of any record that forms the basis for any exemption claimed under this part.

(3) A copy of the service employee list provided to or received from the contracting agency.

(4) An entry on the pay records of the amount of any retroactive payment of wages or compensation under the supervision of the Administrator of the Wage and Hour Division to each service employee, the period covered by

such payment, and the date of payment, and a copy of any receipt form provided by or authorized by the Wage and Hour Division. The Contractor shall also deliver a copy of the receipt to the service employee and file the original, as evidence of payment by the Contractor and receipt by the service employee, with the Administrator or an authorized representative within 10 days after payment is made.

(g) Disputes concerning the requirements of this clause shall not be subject to the general disputes clause (52.233-1) of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR part 9. Disputes within the meaning of this clause include disputes between or among any of the following: The Contractor, the contracting agency, the U.S. Department of Labor, and the service employees under the contract or its predecessor contract. The Contracting Officer will refer any service employee who wishes to file a complaint, or ask questions concerning this contract clause, to the: Branch of Government Contracts Enforcement, Wage and Hour Division, U.S. Department of Labor, 200 Constitution Avenue NW., Washington, DC 20210. Contact email: displaced@dol.gov.

(h) The Contractor shall cooperate in any review or investigation by the Department of Labor into possible violations of the provisions of this clause and shall make such records requested by such official(s) available for inspection, copying, or transcription upon request.

(i) If it is determined, pursuant to regulations issued by the Secretary of Labor (Secretary), that the Contractor or its subcontractors are not in compliance with the requirements of this clause or any regulation or order of the Secretary, appropriate sanctions may be imposed and remedies invoked against the Contractor or its subcontractors, as provided in Executive Order 13495, the regulations, and relevant orders of the Secretary, or as otherwise provided by law.

(j) The Contractor shall take such action with respect to any such subcontract as may be directed by the Secretary of Labor as a means of enforcing such provisions, including the imposition of sanctions for noncompliance. However, if the Contractor, as a result of such direction, becomes involved in litigation with a subcontractor, or is threatened with such involvement, the Contractor may request that the United States, through the Secretary, enter into such litigation to protect the interests of the United States.

(k) The Contracting Officer will withhold, or cause to be withheld, from the prime Contractor under this or any other Government contract with the same prime Contractor, such sums as an authorized official of the Department of Labor requests, upon a determination by the Administrator, the Administrative Law Judge, or the Administrative Review Board, that there has been a failure to comply with the terms of this clause and that wages lost as a result of the violations are due to service employees or that other monetary relief is appropriate. If the Contracting Officer or the Administrator, upon final order of the Secretary, finds that the Contractor has failed to provide a list of the names of service employees working under the contract, the Contracting Officer may, in his or her discretion, or upon request by the Administrator, take such action as may be necessary to cause the suspension of the payment of contract funds until such time as the list is provided to the Contracting Officer.

(l) Subcontracts. In every subcontract over the simplified acquisition threshold entered into in order to perform services under this contract, the Contractor shall include a provision that ensures--

(1) That each subcontractor will honor the requirements of paragraphs (b) through (c) of this clause with respect to the service employees of a predecessor subcontractor or subcontractors working under this contract, as well as of a predecessor Contractor and its subcontractors;

(2) That the subcontractor will provide the Contractor with the information about the service employees of the subcontractor needed by the Contractor to comply with paragraphs (d) and (e) of this clause; and

(3) The recordkeeping requirements of paragraph (f) of this clause.

#### **52.222-36 EQUAL OPPORTUNITY FOR WORKERS WITH DISABILITIES (JULY 2014)**

(a) Equal opportunity clause. The Contractor shall abide by the requirements of the equal opportunity clause at 41 CFR 60-741.5(a), as of March 24, 2014. This clause prohibits discrimination against qualified individuals on the basis of disability, and requires affirmative action by the Contractor to employ and advance in employment qualified individuals with disabilities.

(b) Subcontracts. The Contractor shall include the terms of this clause in every subcontract or purchase order in excess of \$15,000 unless exempted by rules, regulations, or orders of the Secretary, so that such provisions will be binding upon each subcontractor or vendor. The Contractor shall act as specified by the Director, Office of Federal Contract Compliance Programs of the U.S. Department of Labor, to enforce the terms, including action for



noncompliance. Such necessary changes in language may be made as shall be appropriate to identify properly the parties and their undertakings.

#### **52.222-54 EMPLOYMENT ELIGIBILITY VERIFICATION (OCT 2015)**

(a) Definitions. As used in this clause-

“Commercially available off-the-shelf (COTS)” item--

(1) Means any item of supply that is--

(i) A commercial item (as defined in paragraph (1) of the definition at 2.101);

(ii) Sold in substantial quantities in the commercial marketplace; and

(iii) Offered to the Government, without modification, in the same form in which it is sold in the commercial marketplace; and

(2) Does not include bulk cargo, as defined in 46 U.S.C. 40102(4), such as agricultural products and petroleum products. Per 46 CFR 525.1(c)(2), “bulk cargo” means cargo that is loaded and carried in bulk onboard ship without mark or count, in a loose unpackaged form, having homogenous characteristics. Bulk cargo loaded into intermodal equipment, except LASH or Seabee barges, is subject to mark and count and, therefore, ceases to be bulk cargo.

“Employee assigned to the contract” means an employee who was hired after November 6, 1986 (after November 27, 2009, in the Commonwealth of the Northern Mariana Islands), who is directly performing work, in the United States, under a contract that is required to include the clause prescribed at 22.1803. An employee is not considered to be directly performing work under a contract if the employee--

(1) Normally performs support work, such as indirect or overhead functions; and

(2) Does not perform any substantial duties applicable to the contract.

“Subcontract” means any contract, as defined in 2.101, entered into by a subcontractor to furnish supplies or services for performance of a prime contract or a subcontract. It includes but is not limited to purchase orders, and changes and modifications to purchase orders.

“Subcontractor” means any supplier, distributor, vendor, or firm that furnishes supplies or services to or for a prime Contractor or another subcontractor.

“United States”, as defined in 8 U.S.C. 1101(a)(38), means the 50 States, the District of Columbia, Puerto Rico, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands.

(b) Enrollment and verification requirements.

(1) If the Contractor is not enrolled as a Federal Contractor in E-Verify at time of contract award, the Contractor shall--

(i) Enroll. Enroll as a Federal Contractor in the E-Verify program within 30 calendar days of contract award;

(ii) Verify all new employees. Within 90 calendar days of enrollment in the E-Verify program, begin to use E-Verify to initiate verification of employment eligibility of all new hires of the Contractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); and

(iii) Verify employees assigned to the contract. For each employee assigned to the contract, initiate verification within 90 calendar days after date of enrollment or within 30 calendar days of the employee's assignment to the contract, whichever date is later (but see paragraph (b)(4) of this section).

(2) If the Contractor is enrolled as a Federal Contractor in E-Verify at time of contract award, the Contractor shall use E-Verify to initiate verification of employment eligibility of--

(i) All new employees.

(A) Enrolled 90 calendar days or more. The Contractor shall initiate verification of all new hires of the Contractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); or

(B) Enrolled less than 90 calendar days. Within 90 calendar days after enrollment as a Federal Contractor in E-Verify, the Contractor shall initiate verification of all new hires of the Contractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); or

(ii) Employees assigned to the contract. For each employee assigned to the contract, the Contractor shall initiate verification within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever date is later (but see paragraph (b)(4) of this section).

(3) If the Contractor is an institution of higher education (as defined at 20 U.S.C. 1001(a)); a State or local government or the government of a Federally recognized Indian tribe; or a surety performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond, the Contractor may choose to verify only employees assigned to the contract, whether existing employees or new hires. The Contractor shall follow the applicable verification requirements at (b)(1) or (b)(2), respectively, except that any requirement for verification of new employees applies only to new employees assigned to the contract.

(4) Option to verify employment eligibility of all employees. The Contractor may elect to verify all existing employees hired after November 6, 1986 (after November 27, 2009, in the Commonwealth of the Northern Mariana Islands), rather than just those employees assigned to the contract. The Contractor shall initiate verification for each existing employee working in the United States who was hired after November 6, 1986 (after November 27, 2009, in the Commonwealth of the Northern Mariana Islands), within 180 calendar days of--

(i) Enrollment in the E-Verify program; or

(ii) Notification to E-Verify Operations of the Contractor's decision to exercise this option, using the contact information provided in the E-Verify program Memorandum of Understanding (MOU).

(5) The Contractor shall comply, for the period of performance of this contract, with the requirements of the E-Verify program MOU.

(i) The Department of Homeland Security (DHS) or the Social Security Administration (SSA) may terminate the Contractor's MOU and deny access to the E-Verify system in accordance with the terms of the MOU. In such case, the Contractor will be referred to a suspension or debarment official.

(ii) During the period between termination of the MOU and a decision by the suspension or debarment official whether to suspend or debar, the Contractor is excused from its obligations under paragraph (b) of this clause. If the suspension or debarment official determines not to suspend or debar the Contractor, then the Contractor must reenroll in E-Verify.

(c) Web site. Information on registration for and use of the E-Verify program can be obtained via the Internet at the Department of Homeland Security Web site: <http://www.dhs.gov/E-Verify>.

(d) Individuals previously verified. The Contractor is not required by this clause to perform additional employment verification using E-Verify for any employee--

(1) Whose employment eligibility was previously verified by the Contractor through the E-Verify program;

(2) Who has been granted and holds an active U.S. Government security clearance for access to confidential, secret, or top secret information in accordance with the National Industrial Security Program Operating Manual; or

(3) Who has undergone a completed background investigation and been issued credentials pursuant to Homeland Security Presidential Directive (HSPD)-12, Policy for a Common Identification Standard for Federal Employees and Contractors.

(e) Subcontracts. The contractor shall include the requirements of this clause, including this paragraph (e) (appropriately modified for identification of the parties), in each subcontract that -

Is for--

(i) Commercial or noncommercial services (except for commercial services that are part of the purchase of a COTS item (or an item that would be a COTS item, but for minor modifications), performed by the COTS provider, and are normally provided for that COTS item); or

(ii) Contracting;

(2) Has a value of more than \$3,500; and

(3) Includes work performed in the United States.

#### **52.232-39 UNENFORCEABILITY OF UNAUTHORIZED OBLIGATIONS (JUN 2013)**

(a) Except as stated in paragraph (b) of this clause, when any supply or service acquired under this contract is subject to any End User License Agreement (EULA), Terms of Service (TOS), or other legal instrument or agreement, that includes any clause requiring the Government to indemnify the Contractor or any person or entity for damages, costs, fees, or any other loss or liability that would create an Anti-Deficiency Act violation (31 U.S.C. 1341), the following shall govern:

(1) Any such clause is unenforceable against the Government.

(2) Neither the Government nor any Government authorized end user shall be deemed to have agreed to such clause by virtue of it appearing in the EULA, TOS, or similar legal instrument or agreement. If the EULA, TOX, or

similar legal instrument or agreement is invoked through an "I agree" click box or other comparable mechanism (e.g., "click-wrap" or "browse-wrap" agreements), execution does not bind the Government or any Government authorized end user to such clause.

(3) Any such clause is deemed to be stricken from the EULA, TOS, or similar legal instrument or agreement.

(b) Paragraph (a) of this clause does not apply to indemnification by the Government that is expressly authorized by statute and specifically authorized under applicable agency regulations and procedures.

**52.232-4 PROVIDING ACCELERATED PAYMENTS TO SMALL BUSINESS SUBCONTRACTORS (DEC 2013)**

(a) Upon receipt of accelerated payments from the Government, the Contractor shall make accelerated payments to its small business subcontractors under this contract, to the maximum extent practicable and prior to when such payment is otherwise required under the applicable contract or subcontract, after receipt of a proper invoice and all other required documentation from the small business subcontractor.

(b) The acceleration of payments under this clause does not provide any new rights under the Prompt Payment Act.

(c) Include the substance of this clause, including this paragraph (c), in subcontracts with small business concerns, including subcontracts with small business concerns for the acquisition of commercial items.

**52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)**

United States law will apply to resolve any claim of breach of this contract.

**52.244-2 SUBCONTRACTS (OCT 2010)**

(a) Definitions. As used in this clause--

“Approved purchasing system” means a Contractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR).

“Consent to subcontract” means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

“Subcontract” means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) of this clause.

(c) If the Contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that--

(1) Is of the cost-reimbursement, time-and-materials, or labor- hour type; or

(2) Is fixed-price and exceeds--

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For a contract awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts: [Enter subcontractor's names, if applicable]

(e)

(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

- (i) A description of the supplies or services to be subcontracted.
- (ii) Identification of the type of subcontract to be used.
- (iii) Identification of the proposed subcontractor.
- (iv) The proposed subcontract price.
- (v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Certified Cost or Pricing Data, if required by other contract provisions.
- (vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.
- (vii) A negotiation memorandum reflecting--
  - (A) The principal elements of the subcontract price negotiations;
  - (B) The most significant considerations controlling establishment of initial or revised prices;
  - (C) The reason certified cost or pricing data were or were not required;
  - (D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;
  - (E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;
  - (F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and
  - (G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (b), (c), or (d) of this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination--

- (1) Of the acceptability of any subcontract terms or conditions;
- (2) Of the allowability of any cost under this contract; or
- (3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of- cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404- 4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:

(b) (4)

#### **52.251-1 GOVERNMENT SUPPLY SOURCES (APR 2012)**

The Contracting Officer may issue the Contractor an authorization to use Government supply sources in the performance of this contract. Title to all property acquired by the Contractor under such an authorization shall vest in the Government unless otherwise specified in the contract. The provisions of the clause at FAR 52.245-1, "Government Property", apply to all property acquired under such authorization.

**52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <https://www.acquisition.gov/far/> or <http://farsite.hill.af.mil>.

**52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)**

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any **Defense Federal Acquisition Regulation** (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

**252.204-7012 SAFEGUARDING COVERED DEFENSE INFORMATION AND CYBER INCIDENT INFORMATION (OCT 2016)**

(a) Definitions. As used in this clause --

"Adequate security" means protective measures that are commensurate with the consequences and probability of loss, misuse, or unauthorized access to, or modification of information.

"Compromise" means disclosure of information to unauthorized persons, or a violation of the security policy of a system, in which unauthorized intentional or unintentional disclosure, modification, destruction, or loss of an object, or the copying of information to unauthorized media may have occurred.

"Contractor attributional/proprietary information" means information that identifies the contractor(s), whether directly or indirectly, by the grouping of information that can be traced back to the contractor(s) (e.g., program description, facility locations), personally identifiable information, as well as trade secrets, commercial or financial information, or other commercially sensitive information that is not customarily shared outside of the company.

"Controlled technical information" means technical information with military or space application that is subject to controls on the access, use, reproduction, modification, performance, display, release, disclosure, or dissemination. Controlled technical information would meet the criteria, if disseminated, for distribution statements B through F using the criteria set forth in DoD Instruction 5230.24, Distribution Statements on Technical Documents. The term does not include information that is lawfully publicly available without restrictions.

"Covered contractor information system" means an unclassified information system that is owned, or operated by or for, a contractor and that processes, stores, or transmits covered defense information.

"Covered defense information" means unclassified controlled technical information or other information, as described in the Controlled Unclassified Information (CUI) Registry at <http://www.wrarchives.gov/cui/registry/category-list.html>, that requires safeguarding or dissemination controls pursuant to and consistent with law, regulations, and Governmentwide policies, and is --

(1) Marked or otherwise identified in the contract, task order, or delivery order and provided to the contractor by or on behalf of DoD in support of the performance of the contract; or

(2) Collected, developed, received, transmitted, used, or stored by or on behalf of the contractor in support of the performance of the contract.

"Cyber incident" means actions taken through the use of computer networks that result in a compromise or an actual or potentially adverse effect on an information system and/or the information residing therein.

"Forensic analysis" means the practice of gathering, retaining, and analyzing computer-related data for investigative purposes in a manner that maintains the integrity of the data.

"Information system" means a discrete set of information resources organized for the collection, processing, maintenance, use, sharing, dissemination, or disposition of information.

"Malicious software" means computer software or firmware intended to perform an unauthorized process that will have adverse impact on the confidentiality, integrity, or availability of an information system. This definition includes a virus, worm, Trojan horse, or other code-based entity that infects a host, as well as spyware and some forms of adware.

"Media" means physical devices or writing surfaces including, but not limited to, magnetic tapes, optical disks, magnetic disks, large-scale integration memory chips, and printouts onto which covered defense information is recorded, stored, or printed within a covered contractor information system.

"Operationally critical support" means supplies or services designated by the Government as critical for airlift, sealift, intermodal transportation services, or logistical support that is essential to the mobilization, deployment, or sustainment of the Armed Forces in a contingency operation.

"Rapidly report" means within 72 hours of discovery of any cyber incident.

"Technical information" means technical data or computer software, as those terms are defined in the clause at DFARS 252.227-7013, Rights in Technical Data - Non Commercial Items, regardless of whether or not the clause is incorporated in this solicitation or contract. Examples of technical information include research and engineering data, engineering drawings, and associated lists, specifications, standards, process sheets, manuals, technical reports, technical orders, catalog-item identifications, data sets, studies and analyses and related information, and computer software executable code and source code.

(b) Adequate security. The Contractor shall provide adequate security for all covered contractor information systems. To provide adequate security, the Contractor shall implement, at a minimum, the following information security protections:

(1) For covered contractor information systems that are part of an information technology (IT) service or system operated on behalf of the Government, the following security requirements apply:

(i) Cloud computing services shall be subject to the security requirements specified in the clause 252.239-7010, Cloud Computing Services, of this contract.

(ii) Any other such IT service or system (i.e., other than cloud computing) shall be subject to the security requirements specified elsewhere in this contract.

(2) For covered contractor information systems that are not part of an IT service or system operated on behalf of the Government and therefore are not subject to the security requirement specified at paragraph (b)(1) of this clause, the following security requirements apply:

(i) Except as provided in paragraph (b)(2)(ii) of this clause, the covered contractor information system shall be subject to the National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171, "Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations," (available via the internet at <http://dx.doi.org/10.6028/NIST.SP.800-171>) that is in effect at the time the solicitation is issued or as authorized by the Contracting Officer.

(ii)(A) The Contractor shall submit requests to vary from NIST SP 800-171, as soon as practical, but not later than December 31, 2017. For all contracts awarded prior to October 1, 2017, the Contractor shall notify the DoD Chief Information Officer (CIO), via email at [osd.dibcsia@mail.mil](mailto:osd.dibcsia@mail.mil), within 30 days of contract award, of any security requirements specified by NIST SP 800-171 not implemented at the time of contract award.

(B) The Contractor shall submit requests to vary from NIST SP 800-171 in writing to the Contracting Officer, for consideration by the DoD CIO. The Contractor need not implement any security requirement adjudicated by an authorized representative of the DoD CIO to be nonapplicable or to have an alternative but equally effective, security measure that may be implemented in its place.

(C) If the DoD CIO has previously adjudicated the contractor's requests indicating that a requirement is not applicable or that an alternative security measure is equally effective, a copy of that approval shall be provided to the Contracting Officer when requesting its recognition under this contract.

(D) If the Contractor intends to use an external cloud service provider to store, process, or transmit any covered defense information in performance of this contract, the Contractor shall require and ensure that the cloud service provided meets security requirements equivalent to those established by the Government for the Federal Risk and Authorization Management Program (FedRAMP) Moderate baseline (<https://www.fedramp.gov/resources/documents/>) and that the cloud service provider complies with requirements in paragraphs (c) through (g) of this clause for cyber incident reporting, malicious software, media preservation and protection, access to additional information and equipment necessary for forensic analysis, and cyber incident damage assessment.

(3) Apply other information systems security measures when the Contractor reasonably determines that information systems security measures, in addition to those identified in paragraph (b)(1) and (2) of this clause, may

be required to provide adequate security in a dynamic environment or to accommodate special circumstances (e.g., medical devices) and any individual, isolated, or temporary deficiencies based on an assessed risk or vulnerability. These measures may be addressed in a system security plan.

(c) Cyber incident reporting requirement.

(1) When the Contractor discovers a cyber incident that affects a covered contractor information system or the covered defense information residing therein, or that affects the contractor's ability to perform the requirements of the contract that are designated as operationally critical support, the Contractor shall --

(i) Conduct a review for evidence of compromise of covered defense information, including, but not limited to, identifying compromised computers, servers, specific data, and user accounts. This review shall also include analyzing covered contractor information system(s) that were part of the cyber incident, as well as other information systems on the Contractor's network(s), that may have been accessed as a result of the incident in order to identify compromised covered defense information, or that affect the Contractor's ability to provide operationally critical support; and

(ii) Rapidly report cyber incidents to DoD at <http://dibnet.dod.mil>.

(2) Cyber incident report. The cyber incident report shall be treated as information created by or for DoD and shall include, at a minimum, the required elements at <http://dibnet.dod.mil>.

(3) Medium assurance certificate requirement. In order to report cyber incidents in accordance with this clause, the Contractor or subcontractor shall have or acquire a DoD-approved medium assurance certificate to report cyber incidents. For information on obtaining a DoD-approved medium assurance certificate, see <http://iase.disa.mil/pki/eca/Pages/index.aspx>.

(d) Malicious software. When the Contractor or subcontractors discover and isolate malicious software in connection with a reported cyber incident, submit the malicious software to DoD Cyber Crime Center (DC#) in accordance with instructions provided by DC3 or the Contracting Officer. Do not send the malicious software to the Contracting Officer.

(e) Media preservation and protection. When a Contractor discovers a cyber incident has occurred, the Contractor shall preserve and protect images of all known affected information systems identified in paragraph (c)(1)(i) of this clause and all relevant monitoring/packet capture data for at least 90 days from the submission of the cyber incident report to allow DoD to request the media or decline interest.

(f) Access to additional information or equipment necessary for forensic analysis. Upon request by DoD, the Contractor shall provide DoD with access to additional information or equipment that is necessary to conduct a forensic analysis.

(g) Cyber incident damage assessment activities. If DoD elects to conduct a damage assessment, the Contracting Officer will request that the Contractor provide all of the damage assessment information gathered in accordance with paragraph (e) of this clause.

(h) DoD safeguarding and use of contractor attributional/proprietary information. The Government shall protect against the unauthorized use or release of information obtained from the contractor (or derived from information obtained from the contractor) under this clause that includes contractor attributional/proprietary information, including such information submitted in accordance with paragraph (c). To the maximum extent practicable, the Contractor shall identify and mark attributional/proprietary information. In making an authorized release of such information, the Government will implement appropriate procedures to minimize the contractor attributional/proprietary information that is included in such authorized release, seeking to include only that information that is necessary for the authorized purpose(s) for which the information is being released.

(i) Use and release of contractor attributional/proprietary information not created by or for DoD. Information that is obtained from the contractor (or derived from information obtained from the contractor) under this clause that is not created by or for DoD is authorized to be released outside of DoD--

(1) To entities with missions that may be affected by such information;

(2) To entities that may be called upon to assist in the diagnosis, detection, or mitigation of cyber incidents;

(3) To Government entities that conduct counterintelligence or law enforcement investigations;

(4) For national security purposes, including cyber situational awareness and defense purposes (including with Defense Industrial Base (DIB) participants in the program at 32 CFR part 236); or

(5) To a support services contractor ("recipient") that is directly supporting Government activities under a contract that includes the clause at 252.204-7009, Limitations on the Use or Disclosure of Third-Party Contractor Reported Cyber Incident Information.

(j) Use and release of contractor attributional/proprietary information created by or for DoD. Information that is obtained from the contractor (or derived from information obtained from the contractor) under this clause that is

created by or for DoD (including the information submitted pursuant to paragraph (c) of this clause) is authorized to be used and released outside of DoD for purposes and activities authorized by paragraph (i) of this clause, and for any other lawful Government purposes or activity, subject to all applicable statutory, regulatory, and policy based restrictions on the Government's use and release of such information.

(k) The Contractor shall conduct activities under this clause in accordance with applicable laws and regulations on the interception, monitoring, access, use, and disclosure of electronic communications and data.

(l) Other safeguarding or reporting requirements. The safeguarding and cyber incident reporting required by this clause in no way abrogates the Contractor's responsibility for other safeguarding or cyber incident reporting pertaining to its unclassified information systems as required by other applicable clauses of this contract, or as a result of other applicable U.S. Government statutory or regulatory requirements.

(m) Subcontracts. The Contractor shall --

(1) Include this clause, including this paragraph (m), in subcontracts, or similar contractual instruments, for operationally critical support, or for which subcontract performance will involve covered defense information, including subcontracts for commercial items, without alteration, except to identify the parties. The Contractor shall determine if the information required for subcontractor performance retains its identity as covered defense information and will require protection under this clause, and if necessary, consult with the Contracting Officer; and

(2) Require subcontractor to--

(i) Notify the prime Contractor (or next higher-tier subcontractor) when submitting a request to vary from a NIST SP 800-171 security requirement to the Contracting Officer, in accordance with paragraph (b)(2)(ii)(B) of this clause; and

(ii) Provide the incident report number, automatically assigned by DoD, to the prime Contractor (or next higher-tier subcontractor) as soon as practicable, when reporting a cyber incident to DoD as required in paragraph (c) of this clause.

## **252.204-7015 NOTICE OF AUTHORIZED DISCLOSURE OF INFORMATION FOR LITIGATION SUPPORT (MAY 2016)**

(a) Definitions. As used in this clause--

"Computer software" means computer programs, source code, source code listings, object code listings, design details, algorithms, processes, flow charts, formulae, and related material that would enable the software to be reproduced, recreated, or recompiled. Computer software does not include computer data bases or computer software documentation.

"Litigation support" means administrative, technical, or professional services provided in support of the Government during or in anticipation of litigation.

"Litigation support contractor" means a contractor (including an experts, technical consultants, subcontractors, and suppliers) providing litigation support under a contract that contains the clause at 252.204-7014, Limitations on the Use or Disclosure of Information by Litigation Support Contractors.

"Sensitive information" means controlled unclassified information of a commercial, financial, proprietary, or privileged nature. The term includes technical data and computer software, but does not include information that is lawfully, publicly available without restriction.

"Technical data" means recorded information, regardless of the form or method of the recording, of a scientific or technical nature (including computer software documentation). The term does not include computer software or data incidental to contract administration, such as financial and/or management information.

(b) Notice of authorized disclosures. Notwithstanding any other provision of this solicitation or contract, the Government may disclose to a litigation support contractor, for the sole purpose of litigation support activities, any information, including sensitive information, received -

(1) Within or in connection with a quotation or offer; or

(2) In performance of or in connection with a contract.

(c) Flowdown. Include the substance of this clause, including this paragraph (c), in all subcontracts, including subcontracts for commercial items.



252.215-7014 EXCEPTION FROM CERTIFIED COST OR PRICING DATA REQUIREMENTS FOR FOREIGN MILITARY SALES INDIRECT OFFSETS (JUN 2018)

(a) Definition. As used in this clause--

Offset means a benefit or obligation agreed to by a contractor and a foreign government or international organization as an inducement or condition to purchase supplies or services pursuant to a foreign military sale (FMS). There are two types of offsets: Direct offsets and indirect offsets.

(i) A direct offset involves benefits or obligations, including supplies or services that are directly related to the item being purchased and are integral to the deliverable of the FMS contract. For example, as a condition of a foreign military sale, the contractor may require or agree to permit the customer to produce in its country certain components or subsystems of the item being sold. Generally, direct offsets must be performed within a specified period, because they are integral to the deliverable of the FMS contract.

(ii) An indirect offset involves benefits or obligations, including supplies or services that are not directly related to the specific item(s) being purchased and are not integral to the deliverable of the FMS contract. For example, as a condition of a foreign military sale, the contractor may agree to purchase certain manufactured products, agricultural commodities, raw materials, or services, or make an equity investment or grant of equipment required by the FMS customer, or may agree to build a school, road or other facility. Indirect offsets would also include projects that are related to the FMS contract but not purchased under said contract (e.g., a project to develop or advance a capability, technology transfer, or know-how in a foreign company). Indirect offsets may be accomplished without a clearly defined period of performance.

(b) Exceptions from certified cost or pricing data requirements. Notwithstanding the requirements of Federal Acquisition Regulation (FAR) 52.215-20, Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data, in the case of this contract or a subcontract, and FAR 52.215-21, Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data--Modifications, in the case of modification of this contract or a subcontract, submission of certified cost or pricing data shall not be required to the extent such data relates to an indirect offset (10 U.S.C. 2306a(b)(1)).

(End of clause)

**252.216-7006 ORDERING (MAY 2011)**

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the contract schedule. Such orders may be issued from **02 APR 2019** through **01 APR 2024**.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c)(1) If issued electronically, the order is considered "issued" when a copy has been posted to the Electronic Document Access system, and notice has been sent to the Contractor.

(2) If mailed or transmitted by facsimile, a delivery order or task order is considered "issued" when the Government deposits the order in the mail or transmits by facsimile. Mailing includes transmittal by U.S. mail or private delivery services.

(3) Orders may be issued orally only if authorized in the schedule.

**252.219-7003 SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS)-- BASIC (APR 2018)(DEV 2018-O0007)(DEC 2017)**

This clause supplements the Federal Acquisition Regulation 52.219-9, Small Business Subcontracting Plan, clause of this contract.

(a) Definition. "Summary Subcontract Report (SSR) Coordinator," as used in this clause, means the individual who is registered in the Electronic Subcontracting Reporting System (eSRS) at the Department of Defense (9700) and is responsible for acknowledging receipt or rejecting SSRs in eSRS for the Department of Defense.

(b) Subcontracts awarded to workshops approved by the Committee for Purchase from People Who are Blind or Severely Disabled (41 U.S.C. 8502-8504), may be counted toward the Contractor's small business subcontracting goal.

(c) A mentor firm, under the Pilot Mentor-Protege Program established under section 831 of Public Law 101-510, as amended, may count toward its small disadvantaged business goal, subcontracts awarded to--

- (1) Protege firms which are qualified organizations employing the severely disabled; and
- (2) Former protege firms that meet the criteria in section 831(g)(4) of Public Law 101-510.

(d) The master plan is approved by the Contractor's cognizant contract administration activity.

(e) In those subcontracting plans which specifically identify small businesses, the Contractor shall notify the Administrative Contracting Officer of any substitutions of firms that are not small business firms, for the small business firms specifically identified in the subcontracting plan. Notifications shall be in writing and shall occur within a reasonable period of time after award of the subcontract. Contractor-specified formats shall be acceptable.

(f)(1) For DoD, the Contractor shall submit reports in eSRS as follows:

(i) The Individual Subcontract Report (ISR) shall be submitted to the contracting officer at the procuring contracting office, even when contract administration has been delegated to the Defense Contract Management Agency.

(ii) Submit the consolidated SSR for an individual subcontracting plan by selecting "Department of Defense (DoD)(9700)" from the top of the second dropdown menu in the Government agency in Block 7 ("Agency to which the report is being submitted"). The contractor shall not select anything lower.

(2) For DoD, the authority to acknowledge receipt or reject reports in eSRS is as follows:

(i) The authority to acknowledge receipt or reject the ISR resides with the contracting officer who receives it, as described in paragraph (f)(1)(i) of this clause.

(ii) The authority to acknowledge receipt of or reject SSRs resides with the SSR Coordinator.

**252.225-7048 EXPORT CONTROLLED ITEMS (JUN 2013)**

(a) Definition. "Export-controlled items," as used in this clause, means items subject to the Export Administration Regulations (EAR)(15 CFR Parts 730-774) or the International Traffic in Arms Regulations (ITAR)(22 CFR Parts 120-130). The term includes -- "Defense items," defined in the Arms Export Control Act, 22 U.S.C. 2778(j)(4)(A), as defense articles, defense services, and related technical data, and further defined in the ITAR, 22 CFR Part 120; and

"Items," defined in the FAR as "commodities", "software", and "technology," terms that are also defined in the FAR, 15 CFR 772.1.

(b) The Contractor shall comply with all applicable laws and regulations regarding export-controlled items, including, but not limited to, the requirement for contractors to register with the Department of State in accordance with the ITAR. The Contractor shall consult with the Department of State regarding any questions relating to compliance with the ITAR and shall consult with the Department of Commerce regarding any questions relating to compliance with the FAR.

(c) The Contractor's responsibility to comply with all applicable laws and regulations regarding export-controlled items exists independent of, and is not established or limited by, the information provided by this clause.

(d) Nothing in the terms of this contract adds, changes, supersedes, or waives any of the requirements of applicable Federal laws, Executive orders, and regulations, including but not limited to --

- (1) The Export Administration Act of 1979, as amended (50 U.S.C. App. 2401, et seq.);
- (2) The Arms Export Control Act (22 U.S.C. 2751, et seq.);
- (3) The International Emergency Economic Powers Act (50 U.S.C. 1701, et seq.);
- (4) The Export Administration Regulations (15 CFR Parts 730-774);

- (5) The International Traffic in Arms Regulations (22 CFR Parts 120-130); and
- (6) Executive Order 13222, as extended.
- (e) The Contractor shall include the substance of this clause, including this paragraph (e), in all subcontracts.

**252.237-7010 PROHIBITION ON INTERROGATION OF DETAINEES BY CONTRACTOR PERSONNEL (JUN 2013)**

(a) Definitions. As used in this clause--

“Detainee” means any person captured, detained, held, or otherwise under the effective control of DoD personnel (military or civilian) in connection with hostilities. This includes, but is not limited to, enemy prisoners of war, civilian internees, and retained personnel. This does not include DoD personnel or DoD contractor personnel being held for law enforcement purposes.

“Interrogation of detainees” means a systematic process of formally and officially questioning a detainee for the purpose of obtaining reliable information to satisfy foreign intelligence collection requirements.

(b) Contractor personnel shall not interrogate detainees.

(c) Subcontracts. The Contractor shall include the substance of this clause, including this paragraph (c), in all subcontracts, including subcontracts for commercial items, that may require subcontractor personnel to interact with detainees in the course of their duties.

**252.244-7001 CONTRACTOR PURCHASING SYSTEM ADMINISTRATION - BASIC (MAY 2014)**

(a) Definitions. As used in this clause--

“Acceptable purchasing system” means a purchasing system that complies with the system criteria in paragraph (c) of this clause.

“Purchasing system” means the Contractor's system or systems for purchasing and subcontracting, including make-or-buy decisions, the selection of vendors, analysis of quoted prices, negotiation of prices with vendors, placing and administering of orders, and expediting delivery of materials.

“Significant deficiency” means a shortcoming in the system that materially affects the ability of officials of the Department of Defense to rely upon information produced by the system that is needed for management purposes.

(b) General. The Contractor shall establish and maintain an acceptable purchasing system. Failure to maintain an acceptable purchasing system, as defined in this clause, may result in disapproval of the system by the Contracting Officer and/or withholding of payments.

(c) System criteria. The Contractor's purchasing system shall--

(1) Have an adequate system description including policies, procedures, and purchasing practices that comply with the Federal Acquisition Regulation (FAR) and the Defense Federal Acquisition Regulation Supplement (DFARS);

(2) Ensure that all applicable purchase orders and subcontracts contain all flowdown clauses, including terms and conditions and any other clauses needed to carry out the requirements of the prime contract;

(3) Maintain an organization plan that establishes clear lines of authority and responsibility;

(4) Ensure all purchase orders are based on authorized requisitions and include a complete and accurate history of purchase transactions to support vendor selected, price paid, and document the subcontract/purchase order files which are subject to Government review;

(5) Establish and maintain adequate documentation to provide a complete and accurate history of purchase transactions to support vendors selected and prices paid;

(6) Apply a consistent make-or-buy policy that is in the best interest of the Government;

(7) Use competitive sourcing to the maximum extent practicable, and ensure debarred or suspended contractors are properly excluded from contract award;

(8) Evaluate price, quality, delivery, technical capabilities, and financial capabilities of competing vendors to ensure fair and reasonable prices;

(9) Require management level justification and adequate cost or price analysis, as applicable, for any sole or single source award;

- (10) Perform timely and adequate cost or price analysis and technical evaluation for each subcontractor and supplier proposal or quote to ensure fair and reasonable subcontract prices;
  - (11) Document negotiations in accordance with FAR 15.406-3;
  - (12) Seek, take, and document economically feasible purchase discounts, including cash discounts, trade discounts, quantity discounts, rebates, freight allowances, and company-wide volume discounts;
  - (13) Ensure proper type of contract selection and prohibit issuance of cost-plus-a-percentage-of-cost subcontracts;
  - (14) Maintain subcontract surveillance to ensure timely delivery of an acceptable product and procedures to notify the Government of potential subcontract problems that may impact delivery, quantity, or price;
  - (15) Document and justify reasons for subcontract changes that affect cost or price;
  - (16) Notify the Government of the award of all subcontracts that contain the FAR and DFARS flowdown clauses that allow for Government audit of those subcontracts, and ensure the performance of audits of those subcontracts;
  - (17) Enforce adequate policies on conflict of interest, gifts, and gratuities, including the requirements of 41 U.S.C. chapter 87, Kickbacks;
  - (18) Perform internal audits or management reviews, training, and maintain policies and procedures for the purchasing department to ensure the integrity of the purchasing system;
  - (19) Establish and maintain policies and procedures to ensure purchase orders and subcontracts contain mandatory and applicable flowdown clauses, as required by the FAR and DFARS, including terms and conditions required by the prime contract and any clauses required to carry out the requirements of the prime contract, including the requirements of 252.246-7007, Contractor Counterfeit Electronic Part Detection and Avoidance System, if applicable;
  - (20) Provide for an organizational and administrative structure that ensures effective and efficient procurement of required quality materials and parts at the best value from responsible and reliable sources, including the requirements of 252.246-7007, Contractor Counterfeit Electronic Part Detection and Avoidance System, if applicable;
  - (21) Establish and maintain selection processes to ensure the most responsive and responsible sources for furnishing required quality parts and materials and to promote competitive sourcing among dependable suppliers so that purchases are reasonably priced and from sources that meet contractor quality requirements, including the requirements of 252.246-7007, Contractor Counterfeit Electronic Part Detection and Avoidance System, and the item marking requirements of 252.211-7003, Item Unique Identification and Valuation, if applicable;
  - (22) Establish and maintain procedures to ensure performance of adequate price or cost analysis on purchasing actions;
  - (23) Establish and maintain procedures to ensure that proper types of subcontracts are selected, and that there are controls over subcontracting, including oversight and surveillance of subcontracted effort; and
  - (24) Establish and maintain procedures to timely notify the Contracting Officer, in writing, if--
    - (i) The Contractor changes the amount of subcontract effort after award such that it exceeds 70 percent of the total cost of the work to be performed under the contract, task order, or delivery order. The notification shall identify the revised cost of the subcontract effort and shall include verification that the Contractor will provide added value; or
    - (ii) Any subcontractor changes the amount of lower-tier subcontractor effort after award such that it exceeds 70 percent of the total cost of the work to be performed under its subcontract. The notification shall identify the revised cost of the subcontract effort and shall include verification that the subcontractor will provide added value as related to the work to be performed by the lower-tier subcontractor(s).
- (d) Significant deficiencies. (1) The Contracting Officer will provide notification of initial determination to the Contractor, in writing, of any significant deficiencies. The initial determination will describe the deficiency in sufficient detail to allow the Contractor to understand the deficiency.
- (2) The Contractor shall respond within 30 days to a written initial determination from the Contracting Officer that identifies significant deficiencies in the Contractor's purchasing system. If the Contractor disagrees with the initial determination, the Contractor shall state, in writing, its rationale for disagreeing.
  - (3) The Contracting Officer will evaluate the Contractor's response and notify the Contractor, in writing, of the Contracting Officer's final determination concerning--
    - (i) Remaining significant deficiencies;
    - (ii) The adequacy of any proposed or completed corrective action; and

(iii) System disapproval, if the Contracting Officer determines that one or more significant deficiencies remain.

(e) If the Contractor receives the Contracting Officer's final determination of significant deficiencies, the Contractor shall, within 45 days of receipt of the final determination, either correct the significant deficiencies or submit an acceptable corrective action plan showing milestones and actions to eliminate the deficiencies.

(f) Withholding payments. If the Contracting Officer makes a final determination to disapprove the Contractor's purchasing system, and the contract includes the clause at 252.242-7005, Contractor Business Systems, the Contracting Officer will withhold payments in accordance with that clause.

#### **252.245-7004 REPORTING, REUTILIZATION, AND DISPOSAL (DEC 2017)**

(a) Definitions. As used in this clause--

(1) "Demilitarization" means the act of eliminating the functional capabilities and inherent military design features from DoD personal property. Methods and degree range from removal and destruction of critical features to total destruction by cutting, tearing, crushing, mangling, shredding, melting, burning, etc.

(2) "Export-controlled" items means items subject to the Export Administration Regulations (EAR) (15 CFR parts 730-774) or the International Traffic in Arms Regulations (ITAR) (22 CFR parts 120-130). The term includes--

(i) Defense items, defined in the Arms Export Control Act, 22 U.S.C. 2778(j)(4)(A), as defense articles, defense services, and related technical data, etc.; and

(ii) Items, defined in the EAR as "commodities," "software," and "technology," terms that are also defined in the EAR, 15 CFR 772.1.

(3) "Ineligible transferees" means individuals, entities, or countries--

(i) Excluded from Federal programs by the General Services Administration as identified in the System for Award Management Exclusions located at <https://www.acquisition.gov/>;

(ii) Delinquent on obligations to the U.S. Government under surplus sales contracts;

(iii) Designated by the Department of Defense as ineligible, debarred, or suspended from defense contracts;

or

(iv) Subject to denial, debarment, or other sanctions under export control laws and related laws and regulations, and orders administered by the Department of State, the Department of Commerce, the Department of Homeland Security, or the Department of the Treasury.

(4) "Scrap" means property that has no value except for its basic material content. For purposes of demilitarization, scrap is defined as recyclable waste and discarded materials derived from items that have been rendered useless beyond repair, rehabilitation, or restoration such that the item's original identity, utility, form, fit, and function have been destroyed. Items can be classified as scrap if processed by cutting, tearing, crushing, mangling, shredding, or melting. Intact or recognizable components and parts are not "scrap."

(5) "Serviceable or usable property" means property with potential for reutilization or sale "as is" or with minor repairs or alterations.

(b) Inventory disposal schedules. Unless disposition instructions are otherwise included in this contract, the Contractor shall complete SF 1428, Inventory Schedule B, within the Plant Clearance Automated Reutilization Screening System (PCARSS). Information on PCARSS can be obtained from the plant clearance officer and at <http://www.dema.mil/WBT/PCARSS/>.

(1) The SF 1428 shall contain the following:

(i) If known, the applicable Federal Supply Code (FSC) for all items, except items in scrap condition.

(ii) If known, the manufacturer name for all aircraft components under Federal Supply Group (FSG) 16 or 17 and FSCs 2620, 2810, 2915, 2925, 2935, 2945, 2995, 4920, 5821, 5826, 5841, 6340, and 6615.

(iii) The manufacturer name, make, model number, model year, and serial number for all aircraft under FSCs 1510 and 1520.

(iv) Appropriate Federal Condition Codes. See Appendix 2 of DoD 4000.25-2, Military Standard Transaction Reporting and Accounting Procedures (MILSTRAP) manual, edition in effect as of the date of this contract.

Information on Federal Condition Codes can be obtained at <http://www.dla.mil/HQ/InformationOperations/DLMS/elibrary/manuals/MILSTRAP/>.

(2) If the schedules are acceptable, the plant clearance officer shall complete and send the Contractor a DD Form 1637, Notice of Acceptance of Inventory.

(c) Proceeds from sales of surplus property. Unless otherwise provided in the contract, the proceeds of any sale, purchase, or retention shall be--

- (1) Forwarded to the Contracting Officer;
- (2) Credited to the Government as part of the settlement agreement;
- (3) Credited to the price or cost of the contract; or
- (4) Applied as otherwise directed by the Contracting Officer.

(d) Demilitarization, mutilation, and destruction. If demilitarization, mutilation, or destruction of contractor inventory is required, the Contractor shall demilitarize, mutilate, or destroy contractor inventory, in accordance with the terms and conditions of the contract and consistent with Defense Demilitarization Manual, DoDM 4160.28-M, edition in effect as of the date of this contract. The plant clearance officer may authorize the purchaser to demilitarize, mutilate, or destroy as a condition of sale provided the property is not inherently dangerous to public health and safety.

(e) Classified Contractor inventory. The Contractor shall dispose of classified contractor inventory in accordance with applicable security guides and regulations or as directed by the Contracting Officer.

(f) Inherently dangerous Contractor inventory. Contractor inventory dangerous to public health or safety shall not be disposed of unless rendered innocuous or until adequate safeguards are provided.

(g) Contractor inventory located in foreign countries. Consistent with contract terms and conditions, property disposition shall be in accordance with foreign and U.S. laws and regulations, including laws and regulations involving export controls, host nation requirements, Final Governing Standards, and Government-to-Government agreements. The Contractor's responsibility to comply with all applicable laws and regulations regarding export-controlled items exists independent of, and is not established or limited by, the information provided by this clause.

(h) Disposal of scrap.

- (1) Contractor with scrap procedures.

(i) The Contractor shall include within its property management procedure, a process for the accountability and management of Government-owned scrap. The process shall, at a minimum, provide for the effective and efficient disposition of scrap, including sales to scrap dealers, so as to minimize costs, maximize sales proceeds, and contain the necessary internal controls for mitigating the improper release of non-scrap property.

(ii) The Contractor may commingle Government and contractor-owned scrap and provide routine disposal of scrap, with plant clearance officer concurrence, when determined to be effective and efficient.

(2) Scrap warranty. The plant clearance officer may require the Contractor to secure from scrap buyers a DD Form 1639, Scrap Warranty.

- (i) Sale of surplus Contractor inventory.

(1) The Contractor shall conduct sales of contractor inventory (both useable property and scrap) in accordance with the requirements of this contract and plant clearance officer direction.

- (2) Any sales contracts or other documents transferring title shall include the following statement:

“The Purchaser certifies that the property covered by this contract will be used in (name of country). In the event of resale or export by the Purchaser of any of the property, the Purchaser agrees to obtain the appropriate U.S. and foreign export or re-export license approval.”

- (j) Restrictions on purchase or retention of Contractor inventory.

(1) The Contractor may not knowingly sell the inventory to any person or that person's agent, employee, or household member if that person--

- (i) Is a civilian employee of the DoD or the U.S. Coast Guard;
- (ii) Is a member of the armed forces of the United States, including the U.S. Coast Guard; or
- (iii) Has any functional or supervisory responsibilities for or within the DoD's property disposal/disposition or plant clearance programs or for the disposal of contractor inventory.

- (2) The Contractor may conduct Internet-based sales, to include use of a third party.

(3) If the Contractor wishes to bid on the sale, the Contractor or its employees shall submit bids to the plant clearance officer prior to soliciting bids from other prospective bidders.

(4) The Contractor shall solicit a sufficient number of bidders to obtain adequate competition. Informal bid procedures shall be used, unless the plant clearance officer directs otherwise. The Contractor shall include in its invitation for bids, the sales terms and conditions provided by the plant clearance officer.

(5) The Contractor shall solicit bids at least 15 calendar days before bid opening to allow adequate opportunity to inspect the property and prepare bids.

(6) For large sales, the Contractor may use summary lists of items offered as bid sheets with detailed descriptions attached.

(7) In addition to mailing or delivering notice of the proposed sale to prospective bidders, the Contractor may (when the results are expected to justify the additional expense) display a notice of the proposed sale in appropriate public places, e.g., publish a sales notice on the Internet in appropriate trade journals or magazines and local newspapers.

(8) The plant clearance officer or representative will witness the bid opening. The Contractor shall submit, either electronically or manually, two copies of the bid abstract.

(9) The following terms and conditions shall be included in sales contracts involving the demilitarization, mutilation, or destruction of property:

(i) Demilitarization, mutilation, or destruction on Contractor or subcontractor premises. Item(s) ---- require demilitarization, mutilation, or destruction by the Purchaser. Insert item number(s) and specific demilitarization, mutilation, or destruction requirements for item(s) shown in Defense Demilitarization Manual, DoDM 4160.28-M, edition in effect as of the date of this contract. Demilitarization shall be witnessed and verified by a Government representative using DRMS Form 145 or equivalent.

(ii) Demilitarization, mutilation, or destruction off Contractor or subcontractor premises.

(A) Item(s)\_\_\_\_\_ require demilitarization, mutilation, or destruction by the Purchaser. Insert item number(s) and specific demilitarization, mutilation, or destruction requirements for item(s) shown in Defense Demilitarization Manual, DoDM 4160.28-M, edition in effect as of the date of this contract. Demilitarization shall be witnessed and verified by a Government representative using DRMS Form 145 or equivalent.

(B) Property requiring demilitarization shall not be removed, and title shall not pass to the Purchaser, until demilitarization has been accomplished and verified by a Government representative. Demilitarization will be accomplished as specified in the sales contract. Demilitarization shall be witnessed and verified by a Government representative using DRMS Form 145 or equivalent.

(C) The Purchaser agrees to assume all costs incident to the demilitarization and to restore the working area to its present condition after removing the demilitarized property.

(iii) Failure to demilitarize. If the Purchaser fails to demilitarize, mutilate, or destroy the property as specified in the contract, the Contractor may, upon giving 10 days written notice from date of mailing to the Purchaser--

(A) Repossess, demilitarize, and return the property to the Purchaser, in which case the Purchaser hereby agrees to pay to the Contractor, prior to the return of the property, all costs incurred by the Contractor in repossessing, demilitarizing, and returning the property;

(B) Repossess, demilitarize, and resell the property, and charge the defaulting Purchaser with all costs incurred by the Contractor. The Contractor shall deduct these costs from the purchase price and refund the balance of the purchase price, if any, to the Purchaser. In the event the costs exceed the purchase price, the defaulting Purchaser hereby agrees to pay these costs to the Contractor; or

(C) Repossess and resell the property under similar terms and conditions. In the event this option is exercised, the Contractor shall charge the defaulting Purchaser with all costs incurred by the Contractor. The Contractor shall deduct these costs from the original purchase price and refund the balance of the purchase price, if any, to the defaulting Purchaser. Should the excess costs to the Contractor exceed the purchase price, the defaulting Purchaser hereby agrees to pay these costs to the Contractor.

#### **5152.225-5904 MONTHLY CONTRACTOR CENSUS REPORTING (AUG 2014)**

Contractor shall provide monthly employee census information to the Contracting Officer, by province, for this contract. Information shall be submitted either electronically or by hard-copy. Information shall be current as of the 25<sup>th</sup> day of each month and received by the Contracting Officer no later than the first day of the following month. The following information shall be provided for each province in which work was performed:

The total number (prime and subcontractors at all tiers) employees.

The total number (prime and subcontractors at all tiers) of U.S. citizens.

The total number (prime and subcontractors at all tiers) of local nationals (LN).

The total number (prime and subcontractors at all tiers) of third-country nationals (TCN).

Name of province in which the work was performed.

The names of all company employees who enter and update employee data in the Synchronized Predeployment & Operational Tracker (SPOT) IAW DFARS 252.225-7995 or DFARS DOD class deviation 2014-O0018.

**5152.225-5915 CONTRACTOR ACCOUNTABILITY AND PERSONNEL RECOVERY (JUN 2014)**

(a) Contract performance may require work in dangerous or austere conditions. Except as otherwise provided in the contract, the contractor accepts the risks associated with required contract performance in such operations.

(1) Unaccounted Personnel: It is the expectation of the USG that any contractor brought into Afghanistan for the sole purposes of performance of work on a USG contract must be accounted for at all times by their respective employers. Additionally, contractors who maintain living quarters on a USG base shall verify the location of each of its employees' living quarters a minimum of once a month. If a DoD contracted employee becomes missing and evidence does not indicate foul play, a Personnel Recovery (PR) event is NOT automatically triggered. Such an event will be treated as an accountability battle drill by the employer's chain of command or civilian equivalent.

(2) Contractor Responsibilities: The contractor is responsible to take all necessary steps to locate and investigate the unaccounted for employee(s) whereabouts to the maximum extent practicable. To assist in this process, contractors may use the Operational Contracting Support Drawdown Cell as a resource to track or research employee's last known location and/or to view LOA's. All missing personnel will immediately be reported to the installation division Personnel Recovery Officer (PRO), Mayor's cell, Military Police Station and/or the Criminal Investigative Division, and the Base Defense Operations Center (BDOC).

(3) Contractor Provided Information: If it is determined that a potential criminal act has occurred, the USD PRO (or USFOR-A Personnel Recovery Division (PRD) with prior coordination) will attempt to validate the missing person's identity through the employer. The contractor shall provide the information to the PRD within 12 hours of request. The required information the contractor should keep on file includes but is not limited to: copy of the individuals Letter of Authorization generated by the Synchronized Pre-deployment and Operational Tracker System (SPOT), copy of passport and visas, housing information of where the individual resides such as room number and location, DD Form 93, Record of Emergency Data, copy of badging, and contact information for known friends or associates.

(b) If USFOR-A PRD determines through investigation that the unaccounted personnel have voluntarily left the installation either seeking employment with another contractor or other non-mission related reasons, PRD will notify the contractor. The contractor shall ensure that all government-related documents such as LOA's, visas, etc. are terminated/reconciled appropriately within 24 hours of notification by PRD in accordance with subparagraph (a)(8) of DFARS Clause 252.225-7997 entitled "Contractor Demobilization". Contractors who fail to account for their personnel or whose employees create PR events will be held in breach of their contract and face all remedies available to the Contracting Officer.

(c) Contractors shall notify the Contracting Officer, as soon as practicable, whenever employee kidnappings, serious injuries or deaths occur. Report the following information:

Contract Number  
Contract Description & Location  
Company Name

Reporting party:  
Name  
Phone number  
e-mail address

Victim:  
Name  
Gender (Male/Female)  
Age  
Nationality  
Country of permanent residence

Incident:  
Description  
Location



Date and time

**5152.232-5900 PAYMENT IN LOCAL CURRENCY (DEC 2011)**

(a) Pursuant to the authority of USCENTCOM FRANCO's 09-1567 and 10-143 this contract is awarded in Afghani (local currency), if awarded to a host nation vendor. The contractor will receive payment in local currency via Electronic Funds Transfer to a local (Afghan) banking institution.

(b) By exception, the following forms of payment are acceptable when EFT using ITS.gov is determined not available by the local finance office, in order of priority.

(1) EFT using Limited Depository Account (LDA)

(2) Check from the local finance office LDA

(3) Local currency cash payments (must be approved in writing by the local finance office and contracting office prior to contract/purchase order award). Payments in cash are restricted to contracts/purchase orders when the vendor provides proof via a letter from the host nation bank institution that it is not EFT capable and validated by the local finance office that the vendor's banking institution is not EFT capable. Cash payments will be made in Afghani.

**5252.201-9500 TECHNICAL POINT OF CONTACT (TPOC)(NAVAIR)(SEP 2012)**

(a) The Technical Point of Contact (TPOC) for this contract is:

(b) (6)

Code: 52300ME

Phone: (b) (6)

*Mailing Address:*

COMMANDER

CODE 52300ME NAME (b) (6)

Bld 53A

NAVAIRWARCENWPNDIV

575 I AVE SUITE 1 M/S M0460

POINT MUGU CA 93042-5049

(b) This individual is not a Contracting Officer nor a Contracting Officer's Representative (COR)/Task Order COR (TOCOR) and has no authority to make changes, verbally or otherwise, to the existing contract or order. Further, no authority has been delegated to this individual by the Procuring Contracting Officer (PCO).

(c) The contractor may use this technical POC for technical questions related to the existing contract or order. Also, as a representative of the requiring activity, the TPOC may perform or assist in such areas as: base access forms, security related issues, IT access requirements, Contractor Performance Assessment Reporting System (CPARS), clarification of technical requirements, and statement of work inquiries.

(d) The contractor shall immediately notify the Procuring Contracting Officer in writing if the contractor interprets any action by the TPOC to be a change to the existing contract.

**5252.201-9501 DESIGNATION OF CONTRACTING OFFICER'S REPRESENTATIVE (COR)  
(NAVAIR)(SEP 2012)**

(a) The Contracting Officer has designated

(b) (6)  
 Code: 52300ME  
 Phone: (b) (6)

*Mailing Address:*  
 COMMANDER  
 CODE 52300ME NAME (b) (6)  
 Bld 53A  
 NAVAIRWARCENWPNDIV  
 575 I AVE SUITE 1 M/S M0460  
 POINT MUGU CA 93042-5049

as the authorized Contracting Officer's Representative (COR) to perform those specific functions/duties assigned in the Contracting Officer Representative appointment letter.

(b) The effective period of the COR designation is the period of performance of this contract.

**5252.211-9503 LEVEL OF EFFORT (COST REIMBURSEMENT) (NAVAIR)(DEC 2012)**

(a) The level of effort estimated to be ordered during the term of this contract is 155,100 man-hours of direct labor including authorized subcontract labor, if any. The contractor shall not, under any circumstances, exceed one hundred (100%) percent of the total level of effort specified in this basic contract. The estimated composition of the total man-hours of direct labor by classification is as follows:

Labor Category	Year 1	Year 2	Year 3	Year 4	Year 5	Totals
	LOE Hours	LOE Hours	LOE Hours	LOE Hours	LOE Hours	
Program Manager	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
Electronics Engineers, Except Computer	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
Electronics Engineers, Except Computer	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
Aerospace Engineering and Operations Technicians	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
Information Security Analyst	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
Configuration Management Analyst	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
Material Moving Workers	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
Logistician	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
<b>Total Hours</b>	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)

(b) FAR Clause 52.232-20, "Limitation of Cost" applies to fully funded orders and FAR Clause 52.232-22, "Limitation of Funds" applies to incrementally funded orders. Nothing in this clause amends the rights or responsibilities of the parties hereto under either of those two clauses. In addition, the notifications required by this clause are separate and distinct from any specified in either FAR Clause 52.232-20 or FAR Clause 52.232-22.

(c) In the event that less than one hundred (100%) percent of the established level of effort of the contract/order is actually expended by the end of the performance period, the Government shall have the option of:

- (1) Requiring the Contractor to continue performance, subject to the provisions of the FAR Clause 52.232-20 or 52.232-22, as applicable, until the effort expended equals 100% of the established Level of Effort; or
- (2) Effecting a reduction in the fixed fee by the percentage by which the total expended man-hours is less than one hundred (100%) percent of the established Level of Effort.

(d) The contractor agrees that effort performed in fulfillment of level of effort obligations under this contract shall include only verifiable effort in direct support of the work specified. It shall not include efforts such as work performed in transit to or from an employee's usual workplace, work during lunchtime activities, or effort performed at other non-work locations.

(e) In performing the contract/order, the contractor may use any reasonable combination of hours for the labor categories in support of section C of this contract/order.

#### **5252.216-9534 TASK ORDER PROCEDURES (NAVAIR)(OCT 2005)**

(a) The following activity (ies) or individual(s) is/are designated as Ordering Officer(s):

**Naval Air Warfare Center, Weapons Division (Pt. Mugu and China Lake), CA**

The above activity (ies) or individual(s) is/are responsible for issuing and administering any orders placed hereunder. Ordering Officers may negotiate revisions/modifications to orders, but only within the scope of this contract. Ordering Officers have no authority to modify any provision of this basic contract. Any deviation from the terms of the basic contract must be submitted to the Procuring Contracting Officer (PCO) for contractual action. Ordering Officers may enter into mutual no cost cancellations of orders under this contract and may reduce the scope of orders/tasks, but a Termination for Convenience or Termination for Default may only be issued by the PCO.

(b) Task orders. All orders issued hereunder are subject to the terms and conditions of this contract. The contract shall control in the event of conflict with any order. When mailed, an order shall be "issued" for purposes of this contract at the time the Government deposits the order in the mail, or, if transmitted by other means, when physically delivered to the contractor.

(c) A task order shall be issued for each order. In addition to any other data that may be called for in the contract, the following information shall be specified in each order, as applicable:

- (1) Date of order.
- (2) Contract and task order number.
- (3) Applicable contract line item number (CLIN).
- (4) Description of the task to be performed.
- (5) Description of the end item or service.
- (6) DD Form 254 (Contract Security Classification).
- (7) DD Form 1423 (Contract Data Requirements List).
- (8) Exact place of performance.
- (9) The inspecting and accepting codes.
- (10) Estimated cost and fee and level of effort by labor category (and billing rate if known).
- (11) List of Government furnished property and the estimated value of the property.
- (12) Invoice and payment provisions to the extent not covered by the contract.
- (13) Accounting and appropriation data.
- (14) Period of performance.
- (15) Organizational Conflict of Interest provisions.
- (16) Type of order (e.g., completion, term, FFP)

(d) Negotiated Agreement. For task orders with an estimated value of greater than **\$100,000**, the information contained in each task order with respect to labor categories, man-hours and delivery date shall be the result of a negotiated agreement reached by the parties in advance of issuance of the order.

(1) The Ordering Officer shall furnish the contractor with a written preliminary task order and request for proposal. The request shall include:

- (i) a description of the specified work required,
- (ii) the desired delivery schedule,
- (iii) the place and manner of inspection and acceptance, and

(2) The contractor shall, within the time specified by the preliminary task order, provide the Ordering Officer with a proposal to perform, which shall include:

(i) the required number of labor hours by labor classification and scheduled billing rates, for each end product or task,

- (ii) overtime hours by labor category,
- (iii) proposed completion or delivery dates,
- (iv) other direct costs (i.e., direct material, travel subsistence, and similar costs)
- (v) dollar amount and type of any proposed subcontracts, and
- (vi) total estimated cost/price.

The cost factors utilized in determining the estimated cost/price under any order shall be the rates applicable at time the order is issued.

(3) Upon receipt of the proposal, the Ordering Officer shall review the estimates therein to ensure acceptability to the Government, enter into such discussions with the contractor as may be necessary to correct and revise any discrepancies in the proposal, and effect whatever internal review procedures are required. Should the Ordering Officer and contractor be unable to reach agreement as to the terms of the order prior to its issuance, the conflict shall be referred to the Contracting Officer.

(4) For task orders under the dollar amount indicated in paragraph (d), the procedures for reaching agreement are as follows:

(i) The Ordering Officer shall issue a fully funded, unilaterally executed task order representing a firm order for the total requirement.

(ii) In the event the contractor cannot perform in accordance with the terms and conditions and within the estimated cost of the task order, he shall:

(A) notify the Ordering Officer immediately,

(B) submit a proposal for the work requested in the task order,

(C) not commence performance until such time that differences between the task order and the contractor's proposal are resolved and a modification, if necessary, is issued.

(e) Total Estimated Dollar Amount. The total estimated dollar amount of each order constitutes a ceiling price for that order. The requirements for notification set forth in Federal Acquisition Regulation [paragraphs \(b\) and \(c\) of FAR Clause 52.232-20, Limitation of Cost](#) and ["paragraph \(c\) of FAR Clause 52.232-22, Limitation of Funds](#) are applicable to individual task orders. The ceiling amount for each order may not be exceeded unless authorized by a modification to the order. All revisions providing additional funds to a task order will include fee in the same manner as established in the basic task order.

(f) Oral Orders. Oral orders may be placed hereunder only in emergency circumstances. Information described above shall be furnished to the contractor at the time of placing an oral order and shall be confirmed by issuance of a written task order within 30 working days of the oral order.

(g) Modifications. Modifications to orders shall be issued using a Standard Form 30 and shall include the information set forth in paragraph (c) above, as applicable. Orders may be modified orally by the Ordering Officer in emergency circumstances. (Oral modifications shall be confirmed by issuance of a written modification on Standard Form 30 within 30 working days from the time of the oral communication amending the order.)

#### **5252.247-9505 TECHNICAL DATA AND INFORMATION (NAVAIR)(FEB 1995)**

Technical Data and Information shall be delivered in accordance with the requirements of the Contract Data Requirements List, DD Form 1423, [Exhibit A](#), attached hereto, and the following:

(a) The contractor shall concurrently deliver technical data and information per DD Form 1423, Blocks 12 and 13 (date of first/subsequent submission) to all activities listed in Block 14 of the DD Form 1423 (distribution and addresses) for each item. Complete addresses for the abbreviations in Block 14 are shown in paragraph (g) below. Additionally, the technical data shall be delivered to the following cognizant codes, who are listed in Block 6 of the DD Form 1423.

(1) Contract Specialist (CS), [Code 254430D](#).

(2) Contracting Officer's Representative (COR), [Code 52300ME](#).

(b) Partial delivery of data is not acceptable unless specifically authorized on the DD Form 1423, or unless approved in writing by the PCO.

(c) The Government review period provided on the DD Form 1423 for each item commences upon receipt of all required data by the technical activity designated in Block 6.

(d) A copy of all other correspondence addressed to the Contracting Officer relating to data item requirements (i.e., status of delivery) shall also be provided to the codes reflected above and the technical activity responsible for the data item per Block 6, if not one of the activities listed above.

(e) The PCO reserves the right to issue unilateral modifications to change the destination codes and addresses for all technical data and information at no additional cost to the Government.

(f) Unless otherwise specified in writing, rejected data items shall be resubmitted within thirty (30) days after receipt of notice of rejection.

(g) DD Form 1423, Block 14 Mailing Addresses: [See Exhibit A CDRLS](#)

#### **5252.247-9514 TECHNICAL DATA PACKING INSTRUCTIONS (NAVAIR)(SEP 1999)**

Technical Data and Information shall be packed and packaged for domestic shipment in accordance with best commercial practices. The package or envelope should be clearly marked with any special markings specified in this contract (or delivery/task order), e.g., Contract Number, CLIN, Device No., and document title must be on the outside of the package. Classified reports, data and documentation, if applicable, shall be prepared for shipment in accordance with Defense Industrial Manual for Safeguarding Classified Information, DoD 5220.22M.

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	Exhibit A - CDRLs		
Attachment 1	DD254		

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893619F0360P00006		3. DATE OF ORDER/ CALL (YYYYMMDD) 2019 Apr 03		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY	
6. ISSUED BY CDR NAWCWD CODE D240000 (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			7. ADMINISTERED BY (if other than 6) <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)				
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE STE 7322 ADDRESS HERNDON VA 20170-6008			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		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 CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049			15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		16. MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.				
16. TYPE OF ORDER	DELIVERY/ CALL	X	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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE <b>See Schedule</b>									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT
	<b>SEE SCHEDULE</b>								
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW			<i>CB</i>	25. TOTAL	\$2,410,684.95
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
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 <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.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 15,630 Hours FOB: Destination PSC CD: AC54	1	Each	UNDEFINED	(b) (4)
				MAX COST	(b) (4)
				FIXED FEE	(b) (4)
				TOTAL MAX COST + FEE	(b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130077650900001		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300776509		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130081649300001		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300816493		



ITEM NO	SUPPLIES/SERVICES	AMOUNT
000103	For Navy Accounting Purposes Only	

CIN: 130083360400001	ACRN AD	\$ (b) (4)
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PURCHASE REQUEST NUMBER: 1300833604

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

CIN: 130084392000001	ACRN AE	\$ (b) (4)
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PURCHASE REQUEST NUMBER: 1300843920

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST	1	Each	UNDEFINED	(b) (4)
	The contractor shall provide materials and travel in support of the SOW in Section C, herein. General and Administrative may be applied to materials and travel cost, however, the material and travel costs are NOT fee bearing. FOB: Destination PSC CD: AC54				
				MAX COST	(b) (4)

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

CIN: 130077650900002	ACRN AA	\$ (b) (4)
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PURCHASE REQUEST NUMBER: 1300776509



Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**STATEMENT OF WORK**  
**HS2 Range Instrumentation Support**

1.0 INTRODUCTION

1.1 This Statement of Work (SOW) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development, employment and deployment of Range instrumentation systems in the broad ocean area to support customers hypersonic Test & Evaluation (T&E) test events designated as HS2. This support shall include Range instrumentation system operators and maintainers, systems engineering, Operations and Maintenance (O&M), design and development of new Range instrumentation systems, engineering, mission planning, test support, configuration and data management, analysis, systems engineering, cybersecurity, logistics and inventory.

1.2 General Scope of Work

The tasks identified in this SOW will be to provide a high level of specialized support to NAWCWD to high visibility and complex T&E operations and technical occurring in the Pacific Broad Ocean Area where deployment and employment of Range instrumentation equipment and services are required to meet customer requirements.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Universal Documentation System (UDS) Handbook (501-97) November 1997  
<http://jcs.mil/RCC/manuals/uds/titlepg.htm>
- Cybersecurity DoD Instruction 8500.01
- National Consensus Standard for Configuration Management ANSI/EIA-649
- Military Handbook Configuration Management Guide MIL-HDBK-61A
- DOD Directive 8570.1
- HS2 Security Classification Guidance shall be provided by the government via secure means.
- HS2 Mission test and deployment schedules shall be provided by the government via secure means.

3.0 TECHNICAL TASKS

3.1 HS2 Mission Execution (Basic SOW 3.2.1)

3.1.1 Telemetry Processing and Decommutation

The contractor shall provide telemetry processing and decommutation for the Portable Range Operation Test Network (PROTN) mission execution support for the HS2 hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, HS2 mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (6) PROTN telemetry processing sites including PMRF, Makaha Ridge PMRF, KTF, MATSS, RTS, USAV Worthy. It is anticipated that up to nine weeks of personnel deployment will be required to support the

various test events. The contractor shall deliver to the government; deployment plans and weekly system status reports while deployed. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Communications

The contractor shall provide communications for the PROTN mission execution support for the HS2 hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, HS2 mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (5) communication sites including PMRF, Makaha Ridge PMRF, KTF, RTS, USAV Worthy. It is anticipated that up to nine weeks of personnel deployment will be required to support the various test events. The contractor shall deliver to the government; deployment plans and weekly system status reports while deployed. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.2 HS2 Operations and Maintenance (O&M) (Basic SOW 3.2.2)

3.2.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for the PROTN telemetry processing systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain cybersecurity compliance. It is anticipated the contractor shall support up to (7) PROTN telemetry processing sites including NAWCWD Pt. Mugu (DSWAN, Zena & Gabriella satellite communication systems), PMRF, Makaha Ridge PMRF, RTS, MATSS, USAV Worthy, PROTN Development Node Redstone Arsenal. The contractor shall deliver to the government the PROTN telemetry systems O&M plan and O&M results. It is anticipated that (2) O&M phase will be required for each site within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.2 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for the PROTN communication systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain cybersecurity compliance. It is anticipated the contractor shall support up to (6) PROTN communication sites including NAWCWD Pt. Mugu (DSWAN, Zena & Gabriella satellite communication systems), PMRF, Makaha Ridge PMRF, RTS, USAV Worthy, PROTN Development Node Redstone Arsenal. The contractor shall deliver to the government the PROTN communication systems O&M plan and O&M results. It is anticipated that (2) O&M phase will be required for each site within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.3 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for up to two trailer mounted 70KW generators located at NAWCWD Pt. Mugu ensuring generators are 100% mission ready. Maintenance actions include, but are not limited to regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. In-addition, the contractor shall identify and recommend critical spares to support remote deployment of the generators. The contractor shall deliver to the government the generator O&M plan and provide a monthly generator maintenance report including maintenance actions, problems, status, maintenance recommendations, and run-time hours. (Basic SOW 3.2.2.5) (CDRL A002)

### 3.3 HS2 Engineering (Basic SOW 3.2.3)

3.3.1 The contractor shall provide mission planning and test support for the HS2 mission. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, COMSEC plans, communications test plans and voice matrices, COMMEX test plan, data management plans, objective evidence development, concepts of operation and logistics planning. The contractor shall coordinate, facilitate and prepare, in UDS format (as required) responses to customer Range support requests in the Program

Requirement Documents (PRD) and Operational Requirements (OR) including responses for Program Support Plans (PSP) and Operations Directives (OD). The contractor shall support trouble shooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.3.2 The contractor shall provide long-haul communications terrestrial and satellite technical support. The contractor shall assist the government in the Operation and Maintenance of designated mission terrestrial, satellite and sea-based communication paths, networks and associated communications equipment. The contractor shall analyze customer requirements and assist the government to obtain and implement new satellite and terrestrial circuits including addressing and resolving technical questions or issues. The contractor shall provide on-site mission execution support for HS2 ensuring these long-haul communication paths are mission ready including coordination with DISA Watch Officers and preparation and submission of trouble reports. The contractor shall assist in the preparation and submission of SATCOM Transmission Plans and terrestrial Telcom Requests and In-Effect Reports. The contractor shall assist and coordinate testing ensuring SATCOM and terrestrial circuits are installed and configured correctly including any end equipment. The contractor shall deliver a monthly terrestrial circuit status report to the government monthly. (Basic SOW 3.2.3.1.7 and 3.2.3.1.8) (CDRLs A001, A002)

3.3.3 The contractor shall provide telemetry data processing support to meet the HS2 and TBG-1 mission requirements. This shall include providing and generating Mission Simulation Tapes, Range Dynamic recordings, Channel ID tape generation including training tapes for "Green Card" off-nominal scenarios. The contractor shall provide HS2 and TGB-1 mission builds, training tape generation, Decom loads, strip and ship and generate HS2 and TBG-1 required Mission Displays and Remote Monitoring Displays to meet customer requirements. (Basic SOW 3.2.3.1.9) (CDRL A002, A004, A007)

3.3.4 The contractor shall analyze and report on future mission test requirements, proposed Range instrumentation architecture, performance and quality of test instrumentation and communication systems. This may result in technical studies on range instrumentation systems and long haul (SATCOM and terrestrial) communication systems. The contractor shall also consider and report on Range Equipment End of Life/End of Support assessments and provide recommendations to the government. (Basic SOW 3.2.3.2) (CDRL A001, A002)

3.3.5 The contractor shall provide systems engineering and engineering to support to design, develop and deploy PROTN telemetry processing and communications networking equipment to meet customer requirements. This includes a technical assessment, recommendations and perform a TECH Refresh for all PROTN telemetry and communication nodes. The contractor shall perform engineering and re-engineering of Range Instrumentation systems as a result of parts or technology obsolescence, end of life, new requirements and new technologies. The contractor shall re-design or upgrade hardware, software, firmware, wiring and interfaces, at any or all of the component, unit, or system levels. The contractor shall provide and deliver to the government design, technical drawings and associated documentation. (Basic SOW 3.2.3.3.1 and 3.2.3.3.2) (CDRLs A001, A002, A004, A007)

3.3.6 The contractor shall provide inventory management support for the PROTN telemetry and communications equipment, and for the Zena & Gabriella Seatel Satellite Communication Systems. This will include: track the location, removal, return, and possible retiring of parts; interfacing with US Army property management processes and personnel; and performing periodic inventories of these assets. It is anticipated the contractor will be required to support up to (8) different sites, NAWCWD Pt. Mugu, RTS, PMRF, Makaha Ridge PMRF, MATSS, USAV Worthy, PROTN Development Node Redstone Arsenal, contractor facility. It is anticipated that (1) on-site inventory will be required within the period of performance of this TO at each location. In between on-site inventories the contractor shall process and document movement of or disposing of equipment, coordinate with Army Property Management, and document in a monthly inventory report to the government. (Basic SOW 3.2.3.7) (CDRL A002)

3.3.7 The contractor shall provide logistics support such as transportation, resource tracking, coordination and scheduling of forklift and crane operations onsite at NAWCWD Pt Mugu, and shipping of various instrumentation equipment. The contractor shall provide for transport and movement of PROTN and other related systems, equipment, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support mission requirements. It is anticipated that (25) movements of typical items including but not limited to: 20ft Sea Containers, electronic racks, various communications electronics and equipment, generators and small purchase test items will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.3.8 The contractor shall maintain the existing PROTN Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current. The contractor shall identify and verify scanning requirements and remediation tasks for all of the equipment within the PROTN accreditation boundary. The contractor shall perform the required PROTN RMF Continuous Monitoring ensuring all requirements are met. The contractor shall develop and maintain RMF compliant cybersecurity certification documentation, artifacts, waivers and work with the Government-designated cybersecurity Case Managers to ensure acceptance by the Designated Approval Authority (DAA). The contractor shall track training and certification requirements and compliance for assigned PROTN System Administrators (SA). The contractor shall participate in Risk Review Boards and support PROTN Technical Review Boards (TRB) and Change Configuration Boards (CCB). The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required to meet mission requirements. The contractor shall provide cybersecurity preparation and support for the Federal Information Security Management Act (FISMA) PROTN assessment scheduled for May 2019. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

### 3.4 Design and Development of New Range Instrumentation

3.4.1 The contractor shall design, develop, procure, build-up, install, configure and test a PROTN telemetry processing and communications networking node, hereto referred to as "String 0", at a designated government facility at Redstone Arsenal. The government shall inform the contractor as to the specific location during the course of this task order and facility availability. The government shall provide as GFE the facility power, HVAC, long haul terrestrial fiber interface and security for this facility. The contractor shall apply required cybersecurity standard images and updates ensuring RMF compliance. The contractor shall design, prepare and deliver to the government all design documentation including room layout, rack elevations, power requirements, material and equipment parts lists. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

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	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	N/A	N/A	N/A	Government
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
0003	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 12-JUN-2019 TO 11-JUN-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
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 12-JUN-2019 TO 11-JUN-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
0003	POP 12-JUN-2019 TO 11-JUN-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936



Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00004977426  
 AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005331676  
 AMOUNT: \$ (b) (4)

AC: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005431058  
 AMOUNT: \$ (b) (4)

AD: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005473875  
 AMOUNT: \$ (b) (4)

AE: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005552361  
 AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130077650900001	\$ (b) (4)
	000201	130077650900002	\$ (b) (4)
AB	000102	130081649300001	\$ (b) (4)
	000202	130081649300002	\$ (b) (4)
AC	000203	130082757000001	\$ (b) (4)
AD	000103	130083360400001	\$ (b) (4)
AE	000104	130084392000001	\$ (b) (4)
	000204	130084392000002	\$ (b) (4)

CLAUSES INCORPORATED BY REFERENCE

52.232-22                      Limitation Of Funds                      APR 1984

CLAUSES INCORPORATED BY FULL TEXT

**G-TXT-0001 PAYMENT INSTRUCTIONS – OTHER (PGI 204.7108(d)(12))**

The payment office shall make payment in sequential ACRN order within the contract or order, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric/ numeric/alpha; and numeric/numeric.

Section I - Contract Clauses

CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:

ITEM(S)	ALLOTED TO FIXED FEE
<u>CLIN 0001</u>	\$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

ITEM(S)	ALLOTED TO COST	PERIOD OF PERFORMANCE
<u>CLIN 0001</u>	\$ (b) (4)	<u>Award – 11 June 2020</u>
<u>CLIN 0002</u>	\$ (b) (4)	<u>Award – 11 June 2020</u>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893619F0490P00001		3. DATE OF ORDER/ CALL (YYYYMMDD) 2019 Jun 10		4. REQ./ PURCH. REQUEST NO. 1300791396		5. PRIORITY		
6. ISSUED BY CDR NAWCWD CODE 254400D (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			7. ADMINISTERED BY (if other than 6) <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)					
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE STE 7322 ADDRESS HERNDON VA 20170-6008			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		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 CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE, BLDG. 53D, FIRST FLOOR, RM 130 POINT MUGU CA 93042-5049			15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		16. MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.					
16. TYPE OF ORDER	DELIVERY/ CALL	X	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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:										
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE <b>See Schedule</b>										
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT		
	<b>SEE SCHEDULE</b>									
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW			<i>CB</i>		25. TOTAL	\$485,292.64
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED										
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 <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.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 3,095 Hours FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130079139600001	ACRN AA	\$ (b) (4)
PURCHASE REQUEST NUMBER: 1300791396		

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)



Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**STATEMENT OF WORK**  
**TBG Range Instrumentation Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development, employment and deployment of Range instrumentation systems in the broad ocean area to support customers hypersonic Test & Evaluation (T&E) test event designated as Tactical Boost Glide (TBG). This support shall include Range instrumentation system operators and maintainers, systems engineering, Operations and Maintenance (O&M), design and development of new Range instrumentation systems, engineering, mission planning, test support, configuration and data management, analysis, systems engineering, cybersecurity and logistics.

1.2 General Scope of Work

The tasks identified in this Task Order (TO) will be to provide a high level of specialized support to NAWCWD to high visibility and complex Test and Evaluation (T&E) operations and technical occurring in the Pacific Broad Ocean Area where deployment and employment of Range instrumentation equipment and services are required to meet customer requirements.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Universal Documentation System (UDS) Handbook (501-97) November 1997  
<http://jcs.mil/RCC/manuals/uds/titlepg.htm>
- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- TBG Security Classification Guidance shall be provided by the government via secure means.
- TBG Mission test and deployment schedules shall be provided by the government via secure means.

3.0 TECHNICAL TASKS

3.1 TBG Mission Execution (Basic SOW 3.2.1)

3.1.1 Telemetry Processing and Decommuration

The contractor shall provide telemetry processing and decommuration for the Portable Range Operation Test Network (PROTN) mission execution support for the TBG hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, TBG mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (2) PROTN telemetry processing sites at NAWCWD Pt. Mugu and USAV Worthy. It is anticipated that up to six weeks of personnel deployment will be required to support the various test events. The contractor shall

deliver to the government; deployment plans and weekly system status reports while deployed. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Communications

The contractor shall provide PROTN communications mission execution support for the TBG hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, TBG mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (2) communication sites at NAWCWD Pt. Mugu and USAV Worthy. It is anticipated that up to six weeks of personnel deployment will be required to support the various test events. The contractor shall deliver to the government; deployment plans and weekly system status while deployed. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.2 TBG Engineering (Basic SOW 3.2.3)

3.2.1 The contractor shall provide mission planning and test support for the TBG mission. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, COMSEC plans, communications test plans and voice matrices, COMMEX test plan, data management plans, objective evidence development, concepts of operation and logistics planning. The contractor shall coordinate, facilitate and prepare, in UDS format (as required) responses to customer Range support requests in the Program Requirement Documents (PRD) and Operational Requirements (OR) including responses for Program Support Plans (PSP) and Operations Directives (OD). The contractor shall support trouble shooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.2.2 The contractor shall provide long-haul communications terrestrial and satellite technical support. The contractor shall assist the government in the Operation and Maintenance of designated mission terrestrial, satellite and sea-based communication paths, networks and associated communications equipment. The contractor shall analyze customer requirements and assist the government to obtain and implement new satellite and terrestrial circuits including addressing and resolving technical questions or issues. The contractor shall provide on-site mission execution support for TBG ensuring these long-haul communication paths are mission ready including coordination with DISA Watch Officers and preparation and submission of trouble reports. The contractor shall assist in the preparation and submission of SATCOM Transmission Plans and terrestrial Telcom Requests and In-Effect Reports. The contractor shall assist and coordinate testing ensuring SATCOM and terrestrial circuits are installed and configured correctly including any end equipment. The contractor shall deliver a monthly terrestrial circuit status report to the government monthly. (Basic SOW 3.2.3.1.7 and 3.2.3.1.8) (CDRLs A001, A002)

3.2.3 The contractor shall provide logistics support such as transportation, resource tracking, coordination, scheduling and shipping. The contractor shall provide for transport and movement of PROTN and other related systems, equipment, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support TBG mission requirements. It is anticipated that (5) movements of equipment will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.2.4 The contractor shall maintain the existing PROTN Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current to support the TBG mission. The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required to meet TBG mission requirements. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

### 3.3 Design and Development of New Range Instrumentation

3.3.1 The contractor shall design, develop, procure, build-up, install, configure and test a PROTN telemetry processing and communications networking node, hereto referred to as "DSWAN", a designated government facility at NAWCWD Pt. Mugu. The government shall inform the contractor as to the specific location during the

course of this task order and facility availability. The government shall provide as GFE the facility power, HVAC, long haul terrestrial fiber interface and security for this facility. The contractor shall apply required cybersecurity standard images and updates ensuring RMF compliance. The contractor shall design, prepare and deliver to the government all design documentation including room layout, rack elevations, power requirements, material and equipment parts lists. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

4.0 Anticipated travel under this task order.

Destination	<b>Pt. Mugu</b>	<b>RTS</b>	<b>Pt. Mugu</b>
Number of trips	1	1	2
Number of travelers	4	2	2
Number of nights	30	34	5



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	N/A	N/A	N/A	N/A
0002	N/A	N/A	N/A	Government
000201	N/A	N/A	N/A	N/A
0003	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 12-JUN-2019 TO 10-JUL-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE, BLDG. 53D, FIRST FLOOR, RM 130 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
0002	POP 12-JUN-2019 TO 10-JUL-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE, BLDG. 53D, FIRST FLOOR, RM 130 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
0003	POP 12-JUN-2019 TO 10-JUL-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE, BLDG. 53D, FIRST FLOOR, RM 130 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00005096898  
AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130079139600001	\$ (b) (4)
	000201	130079139600002	\$ (b) (4)

CLAUSES INCORPORATED BY FULL TEXT

**G-TXT-0001 PAYMENT INSTRUCTIONS – OTHER (PGI 204.7108(d)(12))**

The payment office shall make payment in sequential ACRN order within the contract or order, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric/ numeric/alpha; and numeric/numeric.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22                    Limitation Of Funds

APR 1984

CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:

ITEM(S) ALLOTTED TO FIXED FEE


**0001**                    \$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

ITEM(S)	ALLOTTED TO COST	PERIOD OF PERFORMANCE
<b><u>0001</u></b>	\$ (b) (4)	<b><u>06/12/2019 – 01/31/2020</u></b>
<b><u>0002</u></b>	\$ (b) (4)	<b><u>06/12/2019 – 01/31/2020</u></b>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893619F0493P00004		3. DATE OF ORDER/ CALL (YYYYMMDD) 2019 Jun 10		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY		
6. ISSUED BY CDR NAWCWD CODE D240000 ATTN: (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			CODE N68936		7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>			CODE		
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE STE 7322 ADDRESS HERNDON VA 20170-6008				CODE OHD54		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		
						12. DISCOUNT TERMS		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		
						13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049			CODE N68936		15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000			CODE N64141		
<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>										
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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:										
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>										
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT	
	<b>SEE SCHEDULE</b>									
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW					25. TOTAL	\$1,316,024.91
				CONTRACTING / ORDERING OFFICER					26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED										
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.					<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.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 4,850 Hours FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130079227700001		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300792277		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130080705500001		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300807055		

ITEM NO SUPPLIES/SERVICES AMOUNT  
000103 For Navy Accounting Purposes Only

CIN: 130083550900001 ACRN AD \$ (b) (4)

PURCHASE REQUEST NUMBER: 1300835509

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

CIN: 130085092600001 ACRN AE \$ (b) (4)

PURCHASE REQUEST NUMBER: 1300850926

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4)

MAX COST \$ (b) (4)

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

CIN: 130079227700002 ACRN AA \$ (b) (4)

PURCHASE REQUEST NUMBER: 1300792277





Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**T.O. 03**

**STATEMENT OF WORK**

**Global Hawk Range Instrumentation Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development, employment and deployment of Range instrumentation systems in Global Hawk (GH) Unmanned Aerial Vehicles (UAV)'s to support customers hypersonic Test & Evaluation (T&E) events. Specifically, this shall provide for the design, development, procurement, installation and test for incorporating a Portable Range Operation and Test Network (PROTN) Node into three Global Hawk UAV's and for a GH PROTN Ground Station. This support shall include Range instrumentation system operators and maintainers, systems engineering, design and development of new Range instrumentation systems, engineering, mission planning, test support, analysis, systems engineering, cybersecurity, logistics and inventory.

1.2 General Scope of Work

The tasks identified in this TO will be to provide a high level of specialized support to NAWCWD to high visibility and complex T&E operations occurring in the Pacific Broad Ocean Area where deployment and employment of GH Range instrumentation equipment and services are required to meet customer requirements. The three GH UAV Tail Numbers are 872, 874 and 876. The schedule for this work will be provided to the contractor via secure means (see applicable documents).

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- UASBR Master Integrated Schedule (Executive), dated 21 May 2019 to be provided to contractor by secure means
- HS2 Mission schedule to be provided to the contractor by secure means
- TBG-1 Mission schedule to be provided to the contractor by secure means
- PROTN Enclosure Fabrication Mechanical Drawing Package to be provided to the contractor by secure means
- Requirements for Modified Containers to Support Global Hawk Mission Deployments to be provided to the contractor by secure means

3.0 TECHNICAL TASKS

3.1 GH Mission Execution (Basic SOW 3.2.1)

3.1.1 Telemetry Processing and Decommutation

The contractor shall provide PROTN telemetry processing and decommutation mission execution support for the GH hypersonic tests designated as HS2 RCT, COMMEX/TRIF and mission and for the TBG-1 COMMEX/TRIF and mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to a total of (5) test events ((3) for HS2 and (2) for TBG-1) for the GH PROTN telemetry-processing sites as follows: the HS2 mission at Kaneohe Bay (Marine Corps Base Hawaii) and for TBG-1 mission at Edwards AFB CA. It is anticipated that up to two weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government deployment plans. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Communications

The contractor shall provide PROTN INMARSAT communications mission execution support for the GH hypersonic tests designated as HS2 RCT, COMMEX/TRIF and mission and for the TBG-1 COMMEX/TRIF and mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to a total of (5) test events ((3) for HS2 and (2) for TBG-1) for the GH INMARSAT Communication sites as follows: the HS2 mission at Kaneohe Bay (Marine Corps Base Hawaii) and for TBG-1 mission at Edwards AFB CA. It is anticipated that up to two weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government deployment plans. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.2 GH PROTN and Communications Engineering (Basic SOW 3.2.3)

3.2.1 The contractor shall provide mission planning and test support for the GH PROTN test events and missions. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, COMSEC plans, communications test plans, data management plans, concepts of operation and logistics planning. The contractor shall support trouble shooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.2.2 The contractor shall provide GH INMARSAT and terrestrial communications technical support. The contractor shall assist the government in the Operation and Maintenance of designated mission INMARSAT and terrestrial communications paths, networks and associated communications equipment. The contractor shall analyze customer requirements and assist the government to obtain and implement new INMARSAT and terrestrial circuits including addressing and resolving technical questions or issues. The contractor shall provide on-site mission execution support for the GH test events ensuring these communication paths are mission ready including coordination with DISA Watch Officers, preparation and submission of trouble reports and Period of Non-Disruption (POND). The contractor shall assist and coordinate testing ensuring INMARSAT and terrestrial circuits are installed and configured correctly including any end equipment. (Basic SOW 3.2.3.1.7 and 3.2.3.1.8) (CDRLs A001, A002)

3.2.3 The contractor shall analyze and report on future GH PROTN test requirements, proposed instrumentation architecture, performance and quality of test instrumentation and communication systems. This may result in technical studies on PROTN telemetry range instrumentation systems and long haul (INMARSAT and terrestrial) communication systems. The contractor shall also consider and report on Range Equipment End of Life/End of Support assessments and provide recommendations. (Basic SOW 3.2.3.2) (CDRL A001, A002)

3.2.4 The contractor shall provide inventory management support for the GH PROTN telemetry and communications equipment. This will include: track the location, removal, return, and possible retiring of parts. It is anticipated the contractor will be required to support up to (4) different sites: NAWCWD Pt. Mugu, Edwards AFB, Kaneohe Bay (Marine Corps Base Hawaii), and the Peraton contractor facility. The contractor shall process and

document movement of or disposing of equipment and document in a monthly inventory report to the government. (Basic SOW 3.2.3.7) (CDRL A002)

3.2.5 The contractor shall provide logistics support such as transportation, range resource tracking, coordination and scheduling of forklift and crane operations onsite at NAWCWD Pt Mugu, and shipping. The contractor shall provide for transport and movement of GH PROTN and communications equipment and other related systems, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support mission requirements. It is anticipated that (20) movements of typical items including but not limited to: 20ft Sea Containers, electronic racks, various communications electronics and equipment, generators and small purchase test items will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.2.6 The contractor shall maintain the existing PROTN Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current during the design and development process in TO paragraph 3.3. The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting GH test event and mission requirements. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

### 3.3 Design and Development of GH Range Instrumentation Systems (Basic SOW 3.2.4)

3.3.1 The contractor shall design, develop, procure, build-up, install, and configure (3) PROTN nodes for integration into three Global Hawk UAV's, Tail Numbers; 872, 874 & 876. The contractor shall develop and provide these GH PROTN nodes per the UASBR Master Integrated Schedule (Executive), dated 21 May 2019 that will be provided to contractor by secure means (see applicable documents). These GH PROTN nodes shall be installed and integrated on the GH UAV's on-site at the Armstrong Flight Research Center (AFRC) NASA located on Edwards AFB. The government shall provide as GFE the physical space for the installation, integration and test, facility power, HVAC, integration and interface support with other GH systems, and security for this facility. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.3.2 The contractor shall design, develop, procure, build-up, install, and configure (1) PROTN Ground Station. The contractor shall develop and provide this GH Ground Station per the UASBR Master Integrated Schedule (Executive), dated 21 May 2019 that will be provided to contractor by secure means. The GH Ground Station shall be delivered to the Armstrong Flight Research Center (AFRC) NASA located on Edwards AFB to support integration and test with the PROTN nodes being developed in TO paragraph 3.3.1. The government shall provide as GFE the physical space for the installation, integration and test, facility power, HVAC, integration and interface support with other GH systems, and security for this facility. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.3.3 The contractor shall prepare and deliver to the government a GH PROTN complete design package. This shall consist of the following: hard and soft copies of: all design documentation and drawings, interface control documentation, electrical interfaces, mechanical interfaces, power interfaces, equipment environmental tests and reports, equipment layouts, rack elevations, material and equipment parts lists by GH Tail Number and for the GH Ground Station, and documentation for hardware and software licensing. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.3.4 The contractor shall reconstitute the Zena 2.4M Seatel communications system to support Global Hawk deployment designated as TBG-01. The Zena communications system is provided as GFE and is located at NAWCWD Pt. Mugu. The contractor shall perform the required Operations & Maintenance (O&M), assessing, verifying and repairing, as needed, the existing electronic and electrical systems ensuring are they are operational and mission ready. The contractor shall procure, install and integrate a new 256Kbps Fleet Broadband INMARSAT communications system into the Zena communications architecture. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.3.5 The contractor shall design, fabricate, build-up and deliver (4) modified 20 foot shipping containers meeting the requirements to support Global Hawk deployments. The Requirements for Modified Containers to Support Global Hawk Deployments shall be provided to the contractor by secure means. The contractor shall present to the government the proposed design, adherence to requirements, drawings, schedule, and acceptance testing prior to

contractor procurement. The contractor shall deliver the modified containers to NAWCWD Pt. Mugu. (Basic SOW 3.2.4) (CDRLs A004, A005, A006, A007, A00D, A00E)

3.3.6 Upon completion and delivery to NAWCWD Pt. Mugu of the modified containers to support Global Hawk deployments (SOW paragraph 3.3.5); the contractor shall assist the government in building out the containers to be ready to receive the PROTN and INMARSAT systems. This shall include installation of a raised floor, floor matting, electronic equipment rack installation on shock mounts, CO2 detection and fresh air ventilation system, extension of interior electrical outlets, tempest red power filter installation, tool and storage benches and cabinets. (Basic SOW 3.2.4) (CDRLs A004, A005, A006, A007, A00D, A00E)

4.0 Anticipated travel under this task order:

Destination	NAWCWD Pt. Mugu	NAWCWD Pt. Mugu	NAWCWD Pt. Mugu
Number of trips	2	1	2
Number of travelers	2	2	1
Number of nights	14	3	14

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	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	N/A	N/A	N/A	Government
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
0003	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 12-JUN-2019 TO 11-JUN-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
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 12-JUN-2019 TO 11-JUN-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
0003	POP 12-JUN-2019 TO 11-JUN-2020	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005107104  
 AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005236193  
 AMOUNT: \$ (b) (4)

AC: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005472128  
 AMOUNT: \$ (b) (4)

AD: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005490568  
 AMOUNT: \$ (b) (4)

AE: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005598812  
 AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130079227700001	\$ (b) (4)
	000201	130079227700002	\$ (b) (4)
AB	000102	130080705500001	\$ (b) (4)
	000202	130080705500002	\$ (b) (4)
AC	000203	130083322800001	\$ (b) (4)
AD	000103	130083550900001	\$ (b) (4)
	000204	130083550900002	\$ (b) (4)
AE	000104	130085092600001	\$ (b) (4)

CLAUSES INCORPORATED BY FULL TEXT

**G-TXT-0001 PAYMENT INSTRUCTIONS – OTHER (PGI 204.7108(d)(12))**

The payment office shall make payment in sequential ACRN order within the contract or order, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric/ numeric/alpha; and numeric/numeric.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22                      Limitation Of Funds    APR 1984

CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:

ITEM(S)	ALLOTED TO FIXED FEE
<u>0001</u>	\$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

ITEM(S)	ALLOTED TO COST	PERIOD OF PERFORMANCE
<u>0001</u>	\$ (b) (4)	<u>Award – 06/10/2020</u>
<u>0002</u>	\$ (b) (4)	<u>Award – 06/10/2020</u>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.



# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893620F0231		3. DATE OF ORDER/ CALL (YYYYMMDD) 2020 Feb 05		4. REQ./ PURCH. REQUEST NO. 1300834069		5. PRIORITY			
6. ISSUED BY CDR NAWCWD CODE 254400D ATTN: (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			CODE N68936		7. ADMINISTERED BY (if other than 6) CODE			<b>SEE ITEM 6</b>			
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			CODE OHD54		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		
14. SHIP TO CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049			CODE N68936		15. PAYMENT WILL BE MADE BY CODE N64141 NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000			<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>			
16. TYPE OF ORDER	DELIVERY/ CALL	X	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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:											
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE <b>See Schedule</b>											
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT
		<b>SEE SCHEDULE</b>									
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW			<i>CB</i>		25. TOTAL \$103,522.45	26. DIFFERENCES
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED											
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 <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.	

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 570 Hours FOB: Destination PSC CD: AC54	570	Hours	UNDEFINED	\$ (b) (4) NTE
MAX COST					\$ (b) (4)
FIXED FEE					\$ (b) (4)
TOTAL MAX COST + FEE					\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130083406900001	ACRN AA	\$ (b) (4)
PURCHASE REQUEST NUMBER: 1300834069		

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4)
MAX COST					\$ (b) (4)



## Section C - Descriptions and Specifications

STATEMENT OF WORK**CONTRACT NUMBER N6893619D0033****STATEMENT OF WORK****Air-Launched Rapid Response Weapon (ARRW) Range Instrumentation Support**

## 1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development of Range instrumentation systems in the broad ocean area to support customers hypersonic Test & Evaluation (T&E) test events designated as Air-Launched Rapid Response Weapon (ARRW). This support shall include systems engineering, engineering, analysis, and mission planning.

## 1.2 General Scope of Work

The tasks identified in this Task Order (TO) will be to provide a high level of specialized support to NAWCWD to high visibility and complex Test and Evaluation (T&E) operations and technical occurring in the Pacific Broad Ocean Area where deployment and employment of Range instrumentation equipment and services are required to meet customer requirements.

This task is severable.

## 2.0 APPLICABLE DOCUMENTS

## 2.1 Applicable documents are:

- Universal Documentation System (UDS) Handbook (501-97) November 1997  
<http://jcs.mil/RCC/manuals/uds/titlepg.htm>
- ARRW Security Classification Guidance shall be provided by the government via secure means.
- ARRW Mission and deployment schedules shall be provided by the government via secure means.
- ARRW Operations Requirements (OR) shall be provided by the government via secure means.

## 3.0 TECHNICAL TASKS

## 3.1 ARRW Engineering (Basic SOW 3.2.3)

3.1.1 The contractor shall provide mission planning for the ARRW mission. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include documentation of mission requirements, analysis, proposed concepts of operation, participation in TELCONs and Flight Test and Range Safety Working Groups reviews of mission test plans, communications test plans and voice matrices, and COMMEX test plans. The contractor shall coordinate, facilitate and prepare, in UDS format (as required) responses to customer Range support requests in the Program Requirement Documents (PRD) and Operational Requirements (OR) including responses for Program Support Plans (PSP) and Operations Directives (OD). (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.1.2 The contractor shall analyze and report on ARRW mission test requirements, proposed Range instrumentation architecture, performance and quality of test instrumentation and communication systems. This shall include incorporating the Portable Range Operations Test Network (PROTN) into the ARRW mission execution architecture. This may result in technical studies on Range instrumentation systems, PROTN and long haul (SATCOM and terrestrial) communication systems. The contractor shall also consider and report on Range Equipment End of Life/End of Support assessments and provide recommendations to the government. (Basic SOW 3.2.3.2) (CDRL A001, A002)

4.0 Anticipated travel under this task order.

Destination	<b>Pt. Mugu</b>
Number of trips	8
Number of travelers	1
Number of nights	5

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	N/A	N/A	N/A	N/A
0002	N/A	N/A	N/A	Government
000201	N/A	N/A	N/A	N/A
0003	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 18-FEB-2020 TO 17-FEB-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
0002	POP 18-FEB-2020 TO 17-FEB-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
0003	POP 18-FEB-2020 TO 17-FEB-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00005477232  
AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130083406900001	\$ (b) (4)
	000201	130083406900002	\$ (b) (4)

CLAUSES INCORPORATED BY FULL TEXT

**G-TXT-0001 PAYMENT INSTRUCTIONS – OTHER (PGI 204.7108(d)(12))**

The payment office shall make payment in sequential ACRN order within the contract or order, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric/ numeric/alpha; and numeric/numeric.



## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984

## CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:


ITEM(S)	ALLOTED TO FIXED FEE
<u>0001</u>	\$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

ITEM(S)	ALLOTED TO COST	PERIOD OF PERFORMANCE
<u>0001</u>	\$ (b) (4)	<u>17 Feb 2020 – 12 Aug 2020</u>
<u>0002</u>	\$ (b) (4)	<u>17 Feb 2020 – 12 Aug 2020</u>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893620F0330P00002		3. DATE OF ORDER/ CALL (YYYYMMDD) 2020 Mar 19		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY	
6. ISSUED BY CDR NAWCWD CODE D240000 ATTN: (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)				
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		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 CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049			15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		16. 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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT		
<b>SEE SCHEDULE</b>									
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW					25. TOTAL \$236,866.19	26. DIFFERENCES
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
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 <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.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 1,550 Hours FOB: Destination PSC CD: AC54	1,550	Hours	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130084131000001		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300841310		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130084131000002		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300841310		

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	For Navy Accounting Purposes Only	
CIN: 130084131000003		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300841310		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000202	For Navy Accounting Purposes Only	
CIN: 130091665700001		ACRN AC \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300916657		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0003	CDRLS	NSP
The contractor shall provide data in accordance with the CDRLs, DD Form 1423, Exhibit A.		

## Section C - Descriptions and Specifications

### STATEMENT OF WORK

#### **Hypersonic Air-Breathing Weapon Concept (HAWC) Raytheon Missile Systems (RMS) Range Instrumentation Support**

##### 1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development, employment and deployment of Range instrumentation systems in the broad ocean area to support customers hypersonic Test & Evaluation (T&E) test event designated as Hypersonic Air-Breathing Weapon Concept (HAWC) Raytheon Missile System (RMS). This support shall include Range instrumentation system operators and maintainers, systems engineering, engineering, mission planning, test support, analysis, systems engineering, and cybersecurity.

##### 1.2 General Scope of Work

The tasks identified in this Task Order (TO) will be to provide a high level of specialized support to NAWCWD to high visibility and complex Test and Evaluation (T&E) operations and technical occurring in the Pacific Broad Ocean Area where deployment and employment of Range instrumentation equipment and services are required to meet customer requirements.

This task is severable.

##### 2.0 APPLICABLE DOCUMENTS

##### 2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- HAWC RMS Security Classification Guidance shall be provided by the government via secure means.
- HAWC RMS Mission test and deployment schedules shall be provided by the government via secure means.

##### 3.0 TECHNICAL TASKS

##### 3.1 HAWC RMS Mission Execution (Basic SOW 3.2.1)

##### 3.1.1 Telemetry Processing and Decommutation

The contractor shall provide telemetry processing and decommutation for the Portable Range Operation Test Network (PROTN) mission execution support for the HAWC RMS hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, HAWC RMS mission test events and post mission events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (2) PROTN telemetry processing sites; NAWCWD Pt. Mugu and USAV Worthy. It is anticipated that up to four weeks of personnel deployment will be required to support the various test events at each site. The contractor shall deliver to the government; deployment plans and weekly system status reports while deployed. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

##### 3.1.2 Communications

The contractor shall provide PROTN communications mission execution support for the HAWC RMS hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, HAWC mission test events, post mission and

egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (2) communication sites; NAWCWD Pt. Mugu and USAV Worthy at each site. It is anticipated that up to four weeks of personnel deployment will be required to support the various test events. The contractor shall deliver to the government; deployment plans and weekly system status while deployed. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.2 HAWC RMS Engineering (Basic SOW 3.2.3)

3.2.1 The contractor shall provide mission planning and test support for the HAWC mission. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, COMSEC plans, communications test plans and voice matrices, COMMEX test plan, data management plans and concepts of operation. The contractor shall support trouble shooting of problems that arise during the course of engineering tests, Range operations, and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.2.2 The contractor shall provide long-haul communications terrestrial and satellite technical support. The contractor shall assist the government in the Operation and Maintenance of designated mission terrestrial, satellite and sea-based communication paths, networks and associated communications equipment. The contractor shall provide on-site mission execution support for HAWC RMS ensuring these long-haul communication paths are mission ready. The contractor shall assist and coordinate testing ensuring SATCOM and terrestrial circuits are installed and configured correctly including any end equipment. (Basic SOW 3.2.3.1.7 and 3.2.3.1.8) (CDRLs A001, A002)

3.2.3 The contractor shall maintain the existing PROTN Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current to support the HAWC RMS mission. The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting HAWC RMS mission requirements. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

3.2.4 The contractor shall provide telemetry data processing support to meet the HAWC RMS mission requirements. The contractor shall develop and provide pointing messages to the USAV Worthy for vehicle telemetry acquisition. The contractor shall provide decommutated telemetry and strip-and-ship data from the USAV Worthy to NAWCWD Pt. Mugu. The contractor shall support NAWCWD in the development of safety/mission displays as well as development of Time Space Position Information (TSPI) information for display in a NAWCWD control room. (Basic SOW 3.2.3.1.9) (CDRL A002, A004, A007)

### 4.0 Anticipated travel under this task order.

Destination	Pt. Mugu	Pt. Mugu
Number of trips	2	3
Number of travelers	4	1
Number of nights	14	5

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	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
0003	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 19-MAR-2020 TO 30-APR-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0002	POP 19-MAR-2020 TO 30-APR-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
0003	POP 19-MAR-2020 TO 30-APR-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936



Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00005532023  
AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A10005532023  
AMOUNT: \$ (b) (4)

AC: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00006035933  
AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130084131000001	\$ (b) (4)
AB	000102	130084131000002	\$ (b) (4)
	000201	130084131000003	\$ (b) (4)
AC	000202	130091665700001	\$ (b) (4)



# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893620F0463P00008		3. DATE OF ORDER/ CALL (YYYYMMDD) 2020 Jun 04		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY		
6. ISSUED BY CDR NAWCWD CODE D240000 ATTN: (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)					
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		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 CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049			15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		16. MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.					
16. TYPE OF ORDER	DELIVERY/ CALL	X	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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:										
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>										
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT		
	<b>SEE SCHEDULE</b>									
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW			25. TOTAL \$2,504,283.80		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED										
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 <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.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 12,289.60 Hours  FOB: Destination PSC CD: AC54	12,289.60	Hours	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounty Purpose Only	
CIN: 130085906600001		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300859066		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounty Purpose Only	
CIN: 130087555300001		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300875553		



ITEM NO	SUPPLIES/SERVICES		AMOUNT
000108	For Navy Accounting Purposes Only		
CIN: 130093731500001		ACRN AH	\$ (b) (4)
PURCHASE REQUEST NUMBER: 1300937315			

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES		AMOUNT
000201	For Navy Accounting Purposes Only		
CIN: 130085906600002		ACRN AA	\$ (b) (4)
PURCHASE REQUEST NUMBER: 1300859066			

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000202	For Navy Accounty Purpose Only COST PURCHASE REQUEST NUMBER: 1300875553	UNDEFINED		UNDEFINED	\$0.00 NTE
				MAX COST	UNDEFINED
	ACRN AB				\$ (b) (4)

CIN: 130087555300002

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000203	For Navy Accounty Purpose Only	UNDEFINED		UNDEFINED	\$0.00 NTE
	COST				
	PURCHASE REQUEST NUMBER: 1300889151				
	ACRN AC			MAX COST	UNDEFINED
	CIN: 130088915100002				\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000204	For Navy Accounty Purpose Only	
CIN: 130089538300002		ACRN AD
		\$ (b) (4)
	PURCHASE REQUEST NUMBER: 1300895383	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000205	For Navy Accounty Purpose Only	
CIN: 130091049100002		ACRN AF
		\$ (b) (4)
	PURCHASE REQUEST NUMBER: 1300910491	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000206	For Navy Accounting Purposes Only	
CIN: 130091804700004		ACRN AG
		\$ (b) (4)
	PURCHASE REQUEST NUMBER: 1300918047	

ITEM NO	SUPPLIES/SERVICES
0003	CDRLs

AMOUNT
NSP

The contractor shall provide data in accordance with the CDRLs, DD Form 1423, Exhibit A.



Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**T.O. 06**

**STATEMENT OF WORK**

**Range Hawk and Telemetry Processing and Communications Instrumentation Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development and deployment of Range instrumentation systems in Global Hawk, hereto referred to as Range Hawk (RH), Unmanned Aerial Vehicles (UAV)'s to support customers hypersonic Test & Evaluation (T&E) events. Specifically, this shall provide for Operating & Maintaining portable telemetry processing and communication Nodes in three RH UAV's and for a RH Ground Station. This support shall include Range instrumentation system operators and maintainers, engineering, systems engineering, mission planning, test support, analysis, cybersecurity, logistics, inventory and design and development of new Range instrumentation systems.

1.2 General Scope of Work

The tasks identified in this TO will be to provide a high level of specialized support to NAWCWD for high visibility and complex T&E operations occurring in the Broad Ocean Area where deployment of RH Range instrumentation equipment and services are required to meet customer requirements. The three RH UAV Tail Numbers are 872, 874 and 876. The schedule for this work will be provided to the contractor via secure means.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- Range Hawk Mission schedules to be provided by secure means.
- Mission Security Classification Guidelines to be provided by secure means.
- Mission Data Product and Handling Guidelines to be provided by secure means.
- Mission Telemetry Tapes and Telemetry Dictionaries to be provided by secure means.
- Eglin AFB FTS Requirements, 5 Jan 2020 to be provided by secure means.
- Requirements for the Container to Support RH Deployments to be provided by secure means.

3.0 TECHNICAL TASKS

3.1 Mission Execution (Basic SOW 3.2.1)

3.1.1 Telemetry Processing and Decommutation

The contractor shall provide telemetry processing and decommutation mission execution support for RH hypersonic tests as designated by the government in separate secure communications. This shall include the personnel required

for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (6) test events. Up to three RH may be supported at physically disparate locations such as Edwards Air Force Base (EAFB), Kaneohe Bay (Marine Corps Base Hawaii), Naval Station Rota Spain or other designated locations. It is anticipated that up to four weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government personnel and equipment deployment plans at least 30 days prior to mission deployment. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Communications

The contractor shall assist the government with International Marine/Maritime Satellite (INMARSAT) communications mission execution support for RH hypersonic tests as designated by the government in separate secure communications. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (6) test events. Up to three RH may be supported at physically disparate locations such as EAFB, Kaneohe Bay (Marine Corps Base Hawaii), Naval Station Rota Spain or other designated locations. It is anticipated that up to four weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government personnel and equipment deployment plans at least 30 days prior to mission deployment. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.2 Operations and Maintenance (O&M) (Basic SOW 3.2.2)

3.2.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for the telemetry processing systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain cybersecurity compliance. It is anticipated the contractor shall support up to (6) telemetry processing nodes: NAWCWD Pt. Mugu Bld 53A Room 232, Range Hawk mobile conex system, RH tail numbers 872, 874, 786, and the RH PROTN ground station. The contractor shall deliver to the government the telemetry processing systems O&M plan thirty days after the start of this task order. The contractor shall document and deliver O&M results to the government two weeks after completion of each O&M phase. It is anticipated that (2) O&M phases will be required for each site within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.2 The contractor shall assist the government in providing a maintenance plan, maintenance of, and maintenance results for the communication systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain cybersecurity compliance. It is anticipated the contractor shall support up to (6) communications nodes: NAWCWD Pt. Mugu Bld 53A Room 232, Range Hawk mobile conex system, RH tail numbers 872, 874, 786, and the RH ground station. The contractor shall deliver to the government the communication systems O&M plan thirty days after the start of this task order. The contractor shall document and deliver O&M results to the government two weeks after completion of each O&M phase. It is anticipated that (2) O&M phases will be required for each site within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.3 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for two trailer mounted 70KW generators physically located at NAWCWD Pt. Mugu ensuring the generators and trailers are 100% mission ready. Maintenance actions include, but are not limited to regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. In-addition, the contractor shall identify and recommend critical spares to support remote deployment of the generators. The contractor shall deliver to the government the generator O&M plan and recommended critical spares list thirty days after the start of this task order. The contractor shall provide a monthly generator maintenance report including maintenance actions, problems, status, maintenance recommendations, and run-time hours. (Basic SOW 3.2.2.5) (CDRL A002)

### 3.3 Range Hawk and Range Instrumentation Engineering (Basic SOW 3.2.3)

3.3.1 The contractor shall provide mission planning and test support for the RH and telemetry processing test events and missions. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, COMSEC plans, data management plans, concepts of operation and logistics planning. The contractor shall support trouble shooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.3.2 The contractor shall provide RH communications technical support. The contractor shall assist the government in the Operation and Maintenance of designated RH INMARSAT systems, communications paths, and networks and associated communications end equipment. The contractor shall analyze customer requirements and assist the government to obtain and implement new INMARSAT systems addressing and resolving technical questions or issues. The contractor shall assist and coordinate testing ensuring INMARSAT systems and circuits are installed, configured correctly and mission ready. (Basic SOW 3.2.3.1.7 and 3.2.3.1.8) (CDRLs A001, A002)

3.3.3 The contractor shall analyze and report on future RH and telemetry processing test requirements, proposed instrumentation architecture, performance and quality of test instrumentation and communication systems. This may result in technical studies on telemetry processing, communications and Range instrumentation systems. The contractor shall assess, document and report on Range Instrumentation Equipment End of Sale, End of Support and End of Life for both hardware and software. The contractor shall assess and make recommendations on replacement and renewal strategies. The contractor shall document and track equipment software licenses and annual support agreements. The contractor shall perform critical spares analysis and report on all Range Instrumentation systems and associated equipment. The contractor shall document and deliver an up to date and accurate assessment on a monthly basis. (Basic SOW 3.2.3.2) (CDRL A001, A002)

3.3.4 The contractor shall provide inventory management support for the telemetry processing, communications and Range instrumentation equipment. This will include: track the location, removal, return, induction of new equipment and retiring of parts. It is anticipated the contractor will be required to support up to (3) different physical locations of equipment: NAWCWD Pt. Mugu, NASA/EAFB and the Peraton contractor facility. The contractor shall process and document movement of, induction of new equipment and disposing of equipment. The contractor shall coordinate equipment inventory and reconcile with designated government property managers. The contractor shall support government property manager inspections and audits. The contractor shall provide an accurate and up to date property inventory report to the government on a monthly basis. (Basic SOW 3.2.3.7) (CDRL A002)

3.3.5 The contractor shall provide logistics support such as transportation, range resource tracking, coordination and scheduling of forklift and crane operations onsite at NAWCWD Pt Mugu, and shipping. The contractor shall provide for transport and movement of Range Instrumentation equipment and other related systems, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support mission requirements. It is anticipated that (50) movements of typical items including but not limited to: 20ft Sea Containers, electronic racks, various communications electronics and equipment, antennas, generators and small purchase test items will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.3.6 The contractor shall maintain the telemetry processing and communications Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current. The contractor shall identify and verify scanning requirements and remediation tasks for all of the equipment within the accreditation boundary. The contractor shall perform the required RMF Continuous Monitoring ensuring all requirements are met. The contractor shall develop and maintain RMF compliant cybersecurity certification documentation, artifacts, waivers and work with the Government-designated cybersecurity Case Managers to ensure acceptance by the Designated Approval Authority (DAA). The contractor shall track training and certification requirements and compliance for assigned System Administrators (SA). The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting mission requirements. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

### 3.4 Design and Development of Instrumentation Systems (Basic SOW 3.2.4)

3.4.1 The contractor shall design, develop, procure, build-up, install, and configure (1) telemetry processing and communications node for integration into a UAV. The contractor shall develop and provide the Range Instrumentation node per the UASBR Master Integrated Schedule (Executive) that will be provided to contractor by secure means. The instrumentation node shall be installed and integrated on the UAV on-site at the Armstrong Flight Research Center (AFRC) NASA located on Edwards AFB or other designated location. The government shall provide as GFE the physical space for the installation, integration and test, access to the government environmental test facilities, facility power, HVAC, integration and interface support with other UAV systems, and security. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.4.2 The contractor shall prepare and deliver to the government a UAV telemetry processing and communications complete design package. This shall consist of the following: hard and soft copies of: all design documentation and drawings, fabrication drawings, interface control documentation, electrical interfaces, mechanical interfaces, power interfaces, environmental tests and reports, equipment layouts, rack elevations, material and equipment parts lists including documentation for hardware and software licensing and support agreements. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.4.3 The contractor shall design, fabricate, build-up and deliver (2) modified 20-foot shipping containers meeting the requirements to support RH deployments. The Requirements for Modified Containers to Support Global Hawk Deployments shall be provided to the contractor by secure means. The contractor shall present to the government the proposed design, adherence to requirements, drawings, schedule, and proposed acceptance testing prior to contractor procurement. The contractor shall deliver the modified containers to NAWCWD Pt. Mugu. (Basic SOW 3.2.4) (CDRLs A004, A005, A006, A007, A00D, A00E)

3.4.4 Upon completion and delivery to NAWCWD Pt. Mugu of the modified containers to support Range Hawk deployments (SOW paragraph 3.4.3); the contractor shall assist the government in building-out the containers to be ready to incorporate the telemetry processing and INMARSAT communication systems. This shall include installation of a raised floor, floor matting, electronic equipment rack installation on shock mounts or portable racking, CO2 detection and fresh air ventilation system, extension of interior electrical outlets, tempest red power filter, GSA safe, tools, benches and storage cabinets. (Basic SOW 3.2.4) (CDRLs A004, A005, A006, A007, A00D, A00E)

#### 3.4.5 Range Hawk Flight Safety Conceptual Design Study

3.4.5.1 The contractor shall conduct a RH flight safety conceptual design study to incorporate a command transmitter Flight Termination System (FTS) system aboard a Range Hawk. This shall include evaluating various CONOPS such as Radio Frequency (RF) Relay, SATCOM relay and On-Board Autonomous Flight Safety System (AFSS). (Basic SOW 3.2.4) (CDRLs A004, A005, A007, A009)

3.4.5.1.1 The contractor shall evaluate and incorporate a design such that the Range Hawk could be Certified by various MRTFB Ranges Safety Offices such as: NAWCWD Sea Range, Pacific Missile Range Facility (PMRF), Reagan Test Site (RTS), and Eglin AFB.

3.4.5.1.2 The contractor shall assess the feasibility of incorporating Eglins AFB FTS requirements into the Range Hawk design. The Eglin AFB FTS requirements will be provided to the contractor via secure means.

3.4.5.1.3 The contractor shall interface with NASA as the UAV system owner in regard to the FTS systems physical, weight, power, cooling requirements, antenna locations, communications and interfaces.

3.4.5.1.4 The contractor shall perform and document the results of a Range Hawk Electromagnetic Interference (EMI)/Electromagnetic Compatibility (EMC) study addressing the potential electromagnetic interference generated as a result of incorporating a FTS aboard a Range Hawk.

3.4.5.1.5 The contractor shall perform and provide nominal link margins of the FTS based upon antenna locations.

3.4.5.1.6 The contractor shall perform and provide nominal link margins of the TM system based upon EMC analysis.

3.4.5.2 The contractor shall present to the government a Plan of Action and Milestones (POAM) for the Conceptual Design Study two weeks after acceptance of this task order. (Basic SOW 3.2.4) (CDRLs A002, A009)

3.4.5.3 The contractor shall participate in monthly in-process reviews with the government addressing project status and schedule. (Basic SOW 3.2.4) (CDRLs A002, A009)

3.4.5.4 The contractor shall prepare and conduct a Range Hawk Conceptual Design Study Review to the government. This review will serve as a Milestone Decision by the government to proceed with the next phase of this project. This review shall include but not be limited to: assessment results, determinations, findings, identification of risk areas, single point of failure analysis, EMI/EMC study results, recommended actions and path ahead to proceed to a Systems Requirements Review.

4.0 Anticipated travel under this task order:

Destination	Spain	WASH D.C.	Kauai	Oahu	Marshall Islands	Palmdale/E AFB	Pt. Mugu
Number of trips	2	2	1	6	2	6	10
Number of travelers	2	1	2	2	2	2	2
Number of nights	14	3	5	28	7	28	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	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
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
000107	N/A	N/A	N/A	N/A
000108	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
000205	N/A	N/A	N/A	N/A
000206	N/A	N/A	N/A	N/A
0003	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 11-JUN-2020 TO 09-JUL-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
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
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
000107	N/A	N/A	N/A	N/A
000108	N/A	N/A	N/A	N/A
0002	POP 11-JUN-2020 TO 09-JUL-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
000205	N/A	N/A	N/A	N/A
000206	N/A	N/A	N/A	N/A

0003 POP 11-JUN-2020 TO N/A  
09-JUL-2021

CDR NAWCWD CODE 52300ME  
(b) (6)  
575 "I" AVE. SUITE 1 M/S M0460  
POINT MUGU CA 93042-5049  
(b) (6)  
FOB: Destination

N68936



Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005650020  
 AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005760984  
 AMOUNT: \$ (b) (4)

AC: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005865007  
 AMOUNT: \$ (b) (4)

AD: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005906158  
 AMOUNT: \$ (b) (4)

AE: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005988025  
 AMOUNT: \$ (b) (4)

AF: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006002675  
 AMOUNT: \$ (b) (4)

AG: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A10006044842  
 AMOUNT: \$ (b) (4)

AH: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006140744  
 AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130085906600001	\$ (b) (4)
	000201	130085906600002	\$ (b) (4)
AB	000102	130087555300001	\$ (b) (4)
	000202	130087555300002	\$ (b) (4)
AC	000103	130088915100001	\$ (b) (4)
	000203	130088915100002	\$ (b) (4)
AD	000104	130089538300001	\$ (b) (4)
	000204	130089538300002	\$ (b) (4)
AE	000105	130090787800001	\$ (b) (4)
AF	000106	130091049100001	\$ (b) (4)
	000205	130091049100002	\$ (b) (4)
AG	000107	130091804700003	\$ (b) (4)
	000206	130091804700004	\$ (b) (4)
AH	000108	130093731500001	\$ (b) (4)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22                      Limitation Of Funds    APR 1984

CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:

ITEM(S) ALLOTTED TO FIXED FEE

CLIN 0001                      \$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

PERIOD OF

ITEM(S)	ALLOTTED TO COST	PERFORMANCE
<u>CLIN 0001</u>	\$ (b) (4)	<u>11 Jun 2020 to 09 Jul 2021</u>
<u>CLIN 0002</u>	\$ (b) (4)	<u>11 Jun 2020 to 09 Jul 2021</u>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893620F0540P00001		3. DATE OF ORDER/ CALL (YYYYMMDD) 2020 Jul 09		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY	
6. ISSUED BY CDR NAWCWD CODE D240000 ATTN: (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			7. ADMINISTERED BY (if other than 6) <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)				
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		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 CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049			15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		16. MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.				
16. TYPE OF ORDER	DELIVERY/ CALL	X	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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT	
<b>SEE SCHEDULE</b>									
* 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) 939-1878 EMAIL: corrine.maples@navy.mil BY: Corrine Maples			<i>Corrine P. Maples</i> CONTRACTING / ORDERING OFFICER		25. TOTAL	\$406,593.82
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
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 <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.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 2,510 Labor Hours FOB: Destination PSC CD: AC54	2,510	Hours	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130086687500001		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300866875		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130088103500001		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300881035		

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC54	1	Lot	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	For Navy Accounting Purposes Only	
	CIN: 130086687500002	ACRN AA \$ (b) (4)
	PURCHASE REQUEST NUMBER: 1300866875	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000202	For Navy Accounting Purposes Only	
	CIN: 130088103500002	ACRN AB \$ (b) (4)
	PURCHASE REQUEST NUMBER: 1300881035	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0003	CDRLs	NSP
	The contractor shall provide data in accordance with the CDRLs, DD Form 1423, Exhibit A.	

Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**T.O. 07**

**STATEMENT OF WORK**

**Tactical Boost Glide Range Instrumentation Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development and deployment of Range instrumentation systems in the broad ocean area to support customers hypersonic Test & Evaluation (T&E) test event designated as Tactical Boost Glide (TBG). This support shall include Range instrumentation system operators and maintainers, systems engineering, Operations and Maintenance (O&M), engineering, mission planning, test support, configuration and data management, analysis, systems engineering, cybersecurity and logistics.

1.2 General Scope of Work

The tasks identified in this Task Order TO will be to provide a high level of specialized support to NAWCWD to high visibility and complex T&E operations and technical occurring in the Pacific Broad Ocean Area where deployment and employment of Range instrumentation equipment and services are required to meet customer requirements.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Universal Documentation System (UDS) Handbook (501-97) November 1997  
<http://jcs.mil/RCC/manuals/uds/titlepg.htm>
- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- TBG Security Classification Guidance shall be provided by the government via secure means.
- TBG Mission test and deployment schedules shall be provided by the government via secure means.

3.0 TECHNICAL TASKS

3.1 TBG Mission Execution (Basic SOW 3.2.1)

3.1.1 Telemetry Processing and Decommuration

The contractor shall provide telemetry processing and decommuration mission execution support for the TBG hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, TBG mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support (1) test event at (2) telemetry processing sites; NAWCWD Pt. Mugu and USAV Worthy. It is anticipated that up to four weeks of personnel deployment will be required to support the various test events. The contractor shall deliver to the government; deployment plans and weekly system status reports while deployed. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

3.1.2 Communications

The contractor shall provide communications mission execution support for the TBG hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, TBG mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support (1) test event at (2) communication sites; NAWCWD Pt. Mugu and USAV Worthy. It is anticipated that up to four weeks of personnel deployment will be required to support the various test events. The contractor shall deliver to the government; deployment plans and weekly system status while deployed. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.2 TBG Engineering (Basic SOW 3.2.3)

3.2.1 The contractor shall provide mission planning and test support for the TBG mission. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, Communications Security (COMSEC) plans, communications test plans and voice matrices, Communications Exercise (COMMEX) test plan, data management plans, objective evidence development, concepts of operation and logistics planning. The contractor shall support trouble shooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.2.2 The contractor shall provide logistics support such as transportation, resource tracking, coordination, scheduling and shipping. The contractor shall provide for transport and movement of Range instrumentation equipment and other related systems, equipment, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support TBG mission requirements. It is anticipated that (5) movements of equipment will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.2.4 The contractor shall maintain the existing telemetry processing and communications Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current to support the TBG mission. The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting TBG mission requirements. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

### 4.0 Anticipated travel under this task order.

Destination	Pt. Mugu	RTS	Pt. Mugu
Number of trips	1	1	2
Number of travelers	4	2	2
Number of nights	30	34	5

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	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
0003	Destination	Government	Destination	Government



Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 12-JUL-2020 TO 11-JUL-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0002	POP 12-JUL-2020 TO 11-JUL-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
0003	POP 12-JUL-2020 TO 11-JUL-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005701116  
 AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00005797720  
 AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130086687500001	\$ (b) (4)
	000201	130086687500002	\$ (b) (4)
AB	000102	130088103500001	\$ (b) (4)
	000202	130088103500002	\$ (b) (4)

CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:

ITEM(S)	ALLOTED TO FIXED FEE
<u>CLIN 0001</u>	\$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

ITEM(S)	ALLOTED TO COST	PERIOD OF PERFORMANCE
<u>CLIN 0001</u>	\$ (b) (4)	<u>12 JUL 2020 – 31 JAN 2021</u>
<u>CLIN 0002</u>	\$ (b) (4)	<u>12 JUL 2020 – 31 JAN 2021</u>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22            Limitation Of Funds

APR 1984

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893621F0263P00001		3. DATE OF ORDER/ CALL (YYYYMMDD) 2021 Mar 24		4. REQ./ PURCH. REQUEST NO. 1300914676		5. PRIORITY	
6. ISSUED BY CDR NAWCWD CODE D240000 ATTN: (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555		CODE N68936		7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>		CODE		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)	
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008		CODE OHD54		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
14. SHIP TO CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049		CODE N68936		15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		CODE N64141		12. DISCOUNT TERMS	
						13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15			
16. TYPE OF ORDER		DELIVERY/ CALL		X		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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>									
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE	23. AMOUNT
		<b>SEE SCHEDULE</b>							
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW			<i>CB</i>	25. TOTAL	\$301,576.08
27a. QUANTITY IN COLUMN 20 HAS BEEN									
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
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			<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				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	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 90.5 Hours  FOB: Destination PSC CD: AC32	90.50	Hours	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130091467600001	ACRN AA	\$ (b) (4)
PURCHASE REQUEST NUMBER: 1300914676		

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC32	1	Lot	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)



Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**T.O. 08**

**STATEMENT OF WORK**

**Range Hawk Flight Safety Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development and deployment of Range instrumentation systems in Global Hawk, hereto referred to as Range Hawk (RH), Unmanned Aerial Vehicles (UAV)'s to support customers hypersonic Test & Evaluation (T&E) events. Specifically, this shall provide for a conceptual design study in regard to incorporating missile command destruct capabilities aboard a Range Hawk UAV.

1.2 General Scope of Work

The tasks identified in this TO will be to provide a high level of specialized support to NAWCWD for high visibility and complex T&E operations occurring in the Broad Ocean Area where deployment of RH Range instrumentation equipment and services are required to meet customer requirements.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- Eglin AFB FTS Requirements, 5 Jan 2020 to be provided by secure means.

3.0 TECHNICAL TASKS

3.1 Design and Development of Instrumentation Systems (Basic SOW 3.2.4)

3.1.1 Range Hawk Flight Safety Conceptual Design Study

3.1.1.1 The contractor shall present to the government a Plan of Action and Milestones (POAM) for the Conceptual Design Study two weeks after acceptance of this task order. (Basic SOW 3.2.4) (CDRLs A002, A009)

3.1.1.2 The contractor shall participate in monthly in-process reviews with the government addressing project status and schedule. (Basic SOW 3.2.4) (CDRLs A002, A009)

3.1.1.3 The contractor shall conduct a RH flight safety conceptual design study to incorporate a command transmitter Flight Termination System (FTS) system aboard a Range Hawk. This shall include evaluating various CONOPS such as Radio Frequency (RF) Relay, SATCOM relay and On-Board Autonomous Flight Safety System (AFSS). (Basic SOW 3.2.4) (CDRLs A004, A005, A007, A009)

3.1.1.3.1 The contractor shall evaluate and incorporate a design such that the Range Hawk could be potentially Certified by various MRTFB Ranges Safety Offices such as: NAWCWD Sea Range, Pacific Missile Range Facility (PMRF), Reagan Test Site (RTS), and Eglin AFB.

3.1.1.3.2 The contractor shall assess the feasibility of incorporating Eglins AFB FTS requirements into the Range Hawk design. The Eglin AFB FTS requirements will be provided to the contractor via secure means.

3.1.1.3.3 The contractor shall interface with NASA as the UAV system owner in regard to the FTS systems physical, weight, power, cooling requirements, antenna locations, onboard emitters, communications and interfaces.

3.1.1.3.4 The contractor shall perform and document the results of a Range Hawk Electromagnetic Interference (EMI)/Electromagnetic Compatibility (EMC) study addressing the potential electromagnetic interference generated as a result of incorporating a FTS aboard a Range Hawk.

3.1.1.3.5 The contractor shall perform and provide nominal link margins of the FTS based upon antenna locations.

3.1.1.3.6 The contractor shall perform and provide nominal link margins of the TM system based upon EMC analysis.

3.1.1.4 The contractor shall prepare and conduct a Range Hawk Conceptual Design Study Review to the government. This review will serve as a Milestone Decision by the government to proceed with the next phase of this project. This review shall include but not be limited to: CONOPS results, study and assessment results, determinations and findings, identification of risk areas, single point of failure analysis, EMI/EMC study results, recommended actions and path ahead to proceed to a Systems Requirements Review.

4.0 Anticipated travel under this task order:

Destination	<b>Pt. Mugu</b>
Number of trips	1
Number of travelers	3
Number of nights	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	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
0003	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 24-MAR-2021 TO 31-DEC-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000101	N/A	N/A	N/A	N/A
0002	POP 24-MAR-2021 TO 31-DEC-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
0003	POP 24-MAR-2021 TO 31-DEC-2021	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00006022407  
AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130091467600001	\$ (b) (4)
	000201	130091467600002	\$ (b) (4)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22            Limitation Of Funds  
5252.232-9524      Allotment Of Funds

APR 1984  
OCT 2005

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
---------------	-------------	-------	------

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893621F0349P00002		3. DATE OF ORDER/ CALL (YYYYMMDD) 2021 May 04		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY	
6. ISSUED BY CDR NAWCWD CODE D240000 (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)				
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		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 CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049			15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		16. MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.				
16. TYPE OF ORDER	DELIVERY/ CALL	X	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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT	
	<b>SEE SCHEDULE</b>								
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW			<i>CB</i>		25. TOTAL	\$501,471.30
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
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 <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.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 6.3 Hours  FOB: Destination PSC CD: AC33	6.30	Hours	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130092301800001		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300923018		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130093299600001		ACRN AB \$(b) (4)
PURCHASE REQUEST NUMBER: 1300932996		

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC33	1	Lot	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	For Navy Accounting Purposes Only	
CIN: 130092301800002		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300923018		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0003	CDRLS	NSP
The contractor shall provide data in accordance with the CDRLs, DD Form 1423, Exhibit A.		



Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**STATEMENT OF WORK**

**Hypersonic Air-Breathing Weapon Concept (HAWC) Raytheon Missile Systems (RMS) Range Instrumentation Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development, employment and deployment of Range instrumentation systems in the broad ocean area to support customers hypersonic Test & Evaluation (T&E) test event designated as Hypersonic Air-Breathing Weapon Concept (HAWC) Raytheon Missile System (RMS). This support shall include Range instrumentation system operators and maintainers, systems engineering, engineering, mission planning, test support, analysis, systems engineering, and cybersecurity.

1.2 General Scope of Work

The tasks identified in this Task Order (TO) will be to provide a high level of specialized support to NAWCWD to high visibility and complex Test and Evaluation (T&E) operations and technical occurring in the Pacific Broad Ocean Area where deployment and employment of Range instrumentation equipment and services are required to meet customer requirements. Two separate missions are anticipated during the period of performance of this task order.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- HAWC RMS Security Classification Guidance shall be provided by the government via secure means.
- HAWC RMS Mission test and deployment schedules shall be provided by the government via secure means.

3.0 TECHNICAL TASKS

3.1 HAWC RMS Mission Execution (Basic SOW 3.2.1)

3.1.1 Telemetry Processing and Decommuration

The contractor shall provide telemetry processing and decommuration for the Portable Range Operation Test Network (PROTN) mission execution support for the HAWC RMS hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, HAWC RMS mission test events and post mission events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (2) PROTN telemetry processing sites; NAWCWD Pt. Mugu and USAV Worthy for each mission. It is anticipated that up to four weeks of personnel deployment will be required to support the various

test events at each site. The contractor shall deliver to the government; deployment plans and weekly system status reports while deployed. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Communications

The contractor shall provide PROTN communications mission execution support for the HAWC RMS hypersonic mission. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, HAWC mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedule via secure means. It is anticipated the contractor shall support up to (1) communication site; USAV Worthy. It is anticipated that up to four weeks of personnel deployment will be required to support the test events for each mission. The contractor shall deliver to the government; deployment plans and weekly system status while deployed. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.2 HAWC RMS Engineering (Basic SOW 3.2.3)

3.2.1 The contractor shall provide mission planning and test support for the HAWC missions. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, communications and data flow test plans, data management plans and concepts of operation. The contractor shall support trouble shooting of problems that arise during the course of engineering tests, Range operations, and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.2.2 The contractor shall maintain the existing PROTN Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current to support the HAWC RMS mission. The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting HAWC RMS mission requirements. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

3.2.3 The contractor shall provide telemetry data processing support to meet the HAWC RMS mission requirements. The contractor shall develop and provide pointing messages to the USAV Worthy for vehicle telemetry acquisition. The contractor shall provide and process decommutated telemetry and strip-and-ship data from the USAV Worthy, NP-3 RASA to NAWCWD Pt. Mugu. The contractor shall support NAWCWD in the development of safety/mission displays as well as development of Time Space Position Information (TSPI) information for display in a NAWCWD mission control room. (Basic SOW 3.2.3.1.9) (CDRL A002, A004, A007)

### 4.0 Anticipated travel under this task order.

Destination	Pt. Mugu	Pt. Mugu
Number of trips	2	2
Number of travelers	4	2
Number of nights	28	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	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
0003	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 04-MAY-2021 TO 03-MAY-2022	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
0002	POP 04-MAY-2021 TO 03-MAY-2022	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
000201	N/A	N/A	N/A	N/A
0003	POP 04-MAY-2021 TO 03-MAY-2022	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00006070872  
AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00006116708  
AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130092301800001	\$ (b) (4)
	000201	130092301800002	\$ (b) (4)
AB	000102	130093299600001	\$ (b) (4)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22                    Limitation Of Funds

APR 1984

CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:


ITEM(S)	ALLOTED TO FIXED FEE
<u>0001</u>	\$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

ITEM(S)	ALLOTED TO COST	PERIOD OF PERFORMANCE
<u>0001</u>	\$ (b) (4)	<u>03 MAY 2021 – 02 MAY 2022</u>
<u>0002</u>	\$ (b) (4)	<u>03 MAY 2021 – 02 MAY 2022</u>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893621F0450P00005		3. DATE OF ORDER/ CALL (YYYYMMDD) 2021 Jun 17		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY							
6. ISSUED BY CDR NAWCWD CODE D240000 ATTN: (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			CODE N68936		7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>			CODE		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)					
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			CODE OHD54		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED						
14. SHIP TO CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049			CODE N68936		15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000			CODE N64141		<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>					
16. TYPE OF ORDER			DELIVERY/ CALL		X		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 type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:															
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE															
<b>See Schedule</b>															
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT			
		<b>SEE SCHEDULE</b>													
* 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) 939-2530 EMAIL: christopher.bigelow@navy.mil BY: CHRISTOPHER N. BIGELOW							25. TOTAL		\$3,238,562.17	
27a. QUANTITY IN COLUMN 20 HAS BEEN										26. DIFFERENCES					
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> 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			<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				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	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	Labor CPFF All services to be performed shall be in accordance with the Statement of Work in Section C.  NTE 15,980 Hours  FOB: Destination PSC CD: AC33	15,980	Hours	UNDEFINED	\$ (b) (4) NTE
				MAX COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL MAX COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	For Navy Accounting Purposes Only	
CIN: 130093832800001		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300938328		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	For Navy Accounting Purposes Only	
CIN: 130095653400001		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300956534		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000103	For Navy Accounting Purposes Only	

CIN: 130095757500001	ACRN AC	\$ (b) (4)
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PURCHASE REQUEST NUMBER: 1300957575

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

CIN: 130098205500001	ACRN AD	\$ (b) (4)
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PURCHASE REQUEST NUMBER: 1300982055

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000105	For Navy Accounting Purposes Only	

CIN: 130099997800001	ACRN AE	\$ (b) (4)
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PURCHASE REQUEST NUMBER: 1300999978

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000106	For Navy Accounting Purposes Only	UNDEFINED		UNDEFINED	\$0.00
	CPFF				
	PURCHASE REQUEST NUMBER: 1301007621				

	MAX COST	UNDEFINED
	FIXED FEE	UNDEFINED
	TOTAL MAX COST + FEE	\$0.00

ACRN AF	\$ (b) (4)
CIN: 130100762100001	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PSC CD: AC33	1	Lot	UNDEFINED	\$ (b) (4)
				MAX COST	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	For Navy Accounting Purposes Only	
CIN: 130093832800002		ACRN AA \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300938328		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000202	For Navy Accounting Purposes Only	
CIN: 130095653400002		ACRN AB \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300956534		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000203	For Navy Accounting Purposes Only	
CIN: 130095757500002		ACRN AC \$ (b) (4)
PURCHASE REQUEST NUMBER: 1300957575		



Section C - Descriptions and Specifications

STATEMENT OF WORK

**CONTRACT NUMBER N6893619D0033**

**T.O. 10**

**STATEMENT OF WORK**

**SkyRange Instrumentation Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development and deployment of SkyRange Range instrumentation systems in Global Hawk, hereto referred to as Range Hawk (RH), MQ-9 Reaper Unmanned Aerial Vehicles (UAV)'s as well as for multiple instrumentation ground stations to support customers hypersonic Test & Evaluation (T&E) events. SkyRange is an initiative of the Test Resource Management Center (TRMC) to develop test & evaluation instrumentation infrastructure and test architecture to support hypersonic test events. Specifically, this shall provide for test instrumentation development, Operating & Maintaining and mission execution support for telemetry processing and communication systems (hereto referred to as RangeLynx) in SkyRange UAV's and ground stations. This support shall include Range instrumentation system operators and maintainers, engineering, systems engineering, mission planning, test support, analysis, cybersecurity, logistics, inventory and design and development of new Range instrumentation systems.

1.2 General Scope of Work

The tasks identified in this TO will be to provide a high level of specialized support to NAWCWD for high visibility and complex T&E operations occurring in the Broad Ocean Area where deployment of SkyRange instrumentation equipment and services are required to meet customer requirements. It is anticipated that up to four Range Hawk RangeLynx instrumentation systems shall be supported (TN872, TN874, TN876, spare). It is anticipated that one instrumentations system for the MQ-9 Reaper shall be supported within this task order period of performance. The schedule for this work will be provided to the contractor via secure means.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- SkyRange Development and Mission schedules to be provided by secure means.
- Mission Specific Security Classification Guidelines to be provided by secure means.
- Mission Specific Data Product and Handling Guidelines to be provided by secure means.
- Mission Specific Telemetry Tapes and Telemetry Dictionaries to be provided by secure means.

3.0 TECHNICAL TASKS

3.1 Mission Execution (Basic SOW 3.2.1)

3.1.1 Telemetry Processing and Decommuration

The contractor shall provide telemetry processing and decommuration mission execution support for hypersonic test events as designated by the government in separate secure communications. This shall include the personnel

required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (9) test events. Up to two SkyRange UAV's (Range Hawk and MQ-9 Reapers) may be supported simultaneously at physically disparate locations such as Edwards Air Force Base (EAFB), Kaneohe Bay (Marine Corps Base Hawaii), Southern California Logistics Airport (SCLA) Victorville CA, Naval Station Rota Spain or other designated locations. It is anticipated that up to four weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government personnel and equipment deployment plans at least 30 days prior to mission deployment. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Communications

The contractor shall assist the government with SATCOM communications mission execution support for hypersonic tests as designated by the government in separate secure communications. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (4) test events. Up to two SkyRange Range Hawk UAV's may be supported simultaneously at physically disparate locations such as Edwards Air Force Base (EAFB), Kaneohe Bay (Marine Corps Base Hawaii), Naval Station Rota Spain or other designated locations. It is anticipated that up to four weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government personnel and equipment deployment plans at least 30 days prior to mission deployment. (Basic SOW 3.2.1.2) (CDRL A001, A002)

## 3.2 Operations and Maintenance (O&M) (Basic SOW 3.2.2)

3.2.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for the RangeLynx telemetry processing systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain RangeLynx cybersecurity compliance. It is anticipated the contractor shall support up to (7) RangeLynx telemetry processing nodes: NAWCWD Pt. Mugu Bld 53A Room 232, (2) RangeLynx mobile conex instrumentation systems designated as LeiLani & Kaila, RH tail numbers 872, 874, 876, spare. The contractor shall deliver to the government the RangeLynx telemetry processing systems O&M plan thirty days after the start of this task order. The contractor shall document and deliver O&M results to the government two weeks after completion of each O&M phase. It is anticipated that (1) O&M phase will be required for each site within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.2 The contractor shall assist the government in providing a maintenance plan, maintenance of, and maintenance results for the communication systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain cybersecurity compliance. It is anticipated the contractor shall support up to (6) communications nodes: NAWCWD Pt. Mugu Bld 53A Room 232, (2) RangeLynx mobile conex system, RH tail numbers 872, 874, 876. The contractor shall deliver to the government the communication systems O&M plan thirty days after the start of this task order. The contractor shall document and deliver O&M results to the government two weeks after completion of each O&M phase. It is anticipated that (2) O&M phases will be required for each site within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.3 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for one trailer mounted 70KW generators physically located at NAWCWD Pt. Mugu ensuring the generators and trailers are 100% mission ready. Maintenance actions include, but are not limited to regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. In-addition, the contractor shall identify and recommend critical spares to support remote deployment of the generators. The contractor shall deliver to the government the generator

O&M plan and recommended critical spares list thirty days after the start of this task order. The contractor shall provide a generator maintenance report including maintenance actions, problems, status, maintenance recommendations, and run-time hours on an end of month reporting. (Basic SOW 3.2.2.5) (CDRL A002)

### 3.3 Range Hawk and Range Instrumentation Engineering (Basic SOW 3.2.3)

3.3.1 The contractor shall provide mission planning and test support for the SkyRange RangeLynx telemetry processing test events and missions. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, data management plans, concepts of operation and logistics planning. The contractor shall support trouble shooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.3.2 The contractor shall analyze and report on future SkyRange and RangeLynx telemetry processing test requirements, proposed instrumentation architecture, performance and quality of test instrumentation and communication systems. This may result in technical studies on telemetry processing, communications and Range instrumentation systems. The contractor shall assess, document and report on Range Instrumentation Equipment End of Sale, End of Support and End of Life for both hardware and software. The contractor shall assess and make recommendations on replacement and renewal strategies. The contractor shall document and track equipment software licenses and annual support agreements. The contractor shall perform critical spares analysis and report on all Range Instrumentation systems and associated equipment. The contractor shall document and deliver an up to date and accurate assessment on a monthly basis. (Basic SOW 3.2.3.2) (CDRL A001, A002)

3.3.4 The contractor shall provide inventory management support for the RangeLynx telemetry processing, communications and Range instrumentation equipment. This will include: track the location, removal, return, induction of new equipment and retiring of parts. It is anticipated the contractor will be required to support up to (3) different physical locations of equipment: NAWCWD Pt. Mugu, NASA/EAFB and the Peraton contractor facility in Huntsville AL. The contractor shall process and document movement of, induction of new equipment and disposing of equipment. The contractor shall coordinate equipment inventory and reconcile with designated government property managers. The contractor shall support government property manager inspections and audits. The contractor shall provide an accurate and up to date property inventory report to the government on a monthly basis. (Basic SOW 3.2.3.7) (CDRL A002)

3.3.5 The contractor shall provide logistics support providing for transport and movement of Range Instrumentation equipment and other related systems, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support mission requirements. It is anticipated that (50) movements of typical items including but not limited to: 20ft Sea Containers, electronic racks, various communications electronics and equipment, antennas, generators and small purchase test items will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.3.6 The contractor shall maintain the SkyRange RangeLynx Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current. The contractor shall identify and verify scanning requirements and remediation tasks for all of the equipment within the accreditation boundary. The contractor shall perform the required RMF Continuous Monitoring ensuring all requirements are met. The contractor shall develop and maintain RMF compliant cybersecurity certification documentation, artifacts, waivers and work with the Government-designated cybersecurity Case Managers to ensure acceptance by the Designated Approval Authority (DAA). The contractor shall track training and certification requirements and compliance for assigned System Administrators (SA). The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting mission requirements. (Basic SOW 3.2.3.4) (CDRL A002, A001, A00B)

### 3.4 Design and Development of Instrumentation Systems (Basic SOW 3.2.4)

3.4.1 The contractor shall design, develop, procure, build-up, install, and configure (2) telemetry processing and communications systems for integration into SkyRange instrumentation architecture including into Range Hawk and

MQ-9 Reaper UAV's. The contractor shall develop and provide the Range Instrumentation systems per the instrumentation schedule provided by the government to the contractor by secure means. Instrumentation systems for the Range Hawk shall be installed and integrated on the UAV's on-site at the Armstrong Flight Research Center (AFRC) NASA located on Edwards AFB or other designated location. The contractor shall plan, prepare and support environmental testing of all developed UAV flight hardware for vibration, temperature and pressure testing environments. The government shall provide as GFE the physical space for the installation, integration and test, access to the government environmental test facilities, facility power, HVAC, integration and interface support with other UAV systems, and security. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.4.2 The contractor shall design, develop, test and validate a Command and Control (C2) Graphical User Interface (GUI) for RangeLynx operations for utilization in Range Hawks. The GUI design shall take into consideration unique UAV platform requirements and mission execution CONOPS. The government shall provide concurrence and written approval of contractor proposed changes and features to be implemented prior to commencement of work. Deliverables for each version release of the GUI shall include the following.

- 1) A requirements document clearly stating the features and user interface to be implemented.
- 2) Acceptance Test Plan (ATP) where all test items are traceable to a requirement in the requirements document. The ATP will be used for validation of the GUI and for regression testing when updates to the GUI is made.
- 3) Acceptance test report summarizing the results from executing the ATP.
- 4) Block diagram showing how GUI modules interact with each other (data flow).
- 5) GUI Version Description document including a file listing with an associated hash to each file.
- 6) RangeLynx GUI user guide including installation steps.
- 7) Storage media that contains all project files and external libraries that are required to compile into an executable.
- 8) Storage media that contains just the files needed to install and execute the GUI for a given version release.

It is anticipated that (1) RangeLynx C2 GUI development and version release would be conducted within the period of performance of this task order. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.4.3 The contractor shall prepare and deliver to the government a RangeLynx telemetry processing and communications complete design package as implemented in NAWCWD room 232, Range Hawks TN 872, 874, 876, spare and MQ-9 Reaper system 1. This shall consist of the following: hard and soft copies of: all design documentation and drawings, fabrication drawings, interface control documentation, electrical interfaces, mechanical interfaces, power interfaces, environmental test plans and reports, equipment layouts, rack elevations, material and equipment parts lists including documentation for hardware and software licensing and support agreements. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

4.0 Anticipated travel under this task order:

Destination	EAFB/Victorville	Pt. Mugu	Wash DC	Rota Spain	Oahu
Number of trips	9	6	2	1	2
Number of travelers	2	2	1	2	2
Number of nights	28	14	3	12	5



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	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
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
000205	N/A	N/A	N/A	N/A
0003	Destination	Government	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 21-JUN-2021 TO 20-JUL-2022	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
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
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
0002	POP 21-JUN-2021 TO 20-JUL-2022	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
000204	N/A	N/A	N/A	N/A
000205	N/A	N/A	N/A	N/A
0003	POP 21-JUN-2021 TO 20-JUL-2022	N/A	CDR NAWCWD CODE 52300ME (b) (6) 575 "I" AVE. SUITE 1 M/S M0460 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N68936

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006147325  
 AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006261891  
 AMOUNT: \$ (b) (4)

AC: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006270652  
 AMOUNT: \$ (b) (4)

AD: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006522601  
 AMOUNT: \$ (b) (4)

AE: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006709960  
 AMOUNT: \$ (b) (4)

AF: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006777783  
 AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130093832800001	\$ (b) (4)
	000201	130093832800002	\$ (b) (4)
AB	000102	130095653400001	\$ (b) (4)
	000202	130095653400002	\$ (b) (4)
AC	000103	130095757500001	\$ (b) (4)
	000203	130095757500002	\$ (b) (4)
AD	000104	130098205500001	\$ (b) (4)
	000204	130098205500002	\$ (b) (4)
AE	000105	130099997800001	\$ (b) (4)
AF	000106	130100762100001	\$ (b) (4)
	000205	130100762100002	\$ (b) (4)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22                      Limitation Of Funds    APR 1984

CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:

ITEM(S) ALLOTTED TO FIXED FEE

CLIN 0001                      \$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

PERIOD OF

ITEM(S)	ALLOTTED TO COST	PERFORMANCE
<u>CLIN 0001</u>	\$ (b) (4)	<u>21 JUN 2021 – 20 JUL 2022</u>
<u>CLIN 0002</u>	\$ (b) (4)	<u>21 JUN 2021 – 20 JUL 2022</u>

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893622F0502P00003		3. DATE OF ORDER/ CALL (YYYYMMDD) 2022 Jul 15		4. REQ./ PURCH. REQUEST NO. See Schedule		5. PRIORITY							
6. ISSUED BY CDR NAWCWD CODE D230000 ATTN: (b) (6) (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			CODE N68936		7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>			CODE		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)					
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			CODE OHD54		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED						
14. SHIP TO CDR NAWCWD CODE 0555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049			CODE N63126		15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000			CODE N64141		<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>					
16. TYPE OF ORDER			DELIVERY/ CALL		X		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: <b>1</b>															
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE															
<b>See Schedule</b>															
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT			
<b>SEE SCHEDULE</b>															
* 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) 793-3819 EMAIL: tara.m.brandt.civ@us.navy.mil BY: TARA BRANDT				<i>Tara M Brandt</i> CONTRACTING / ORDERING OFFICER				25. TOTAL \$3,387,993.20			
27a. QUANTITY IN COLUMN 20 HAS BEEN															
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED															
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													
						<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		31. PAYMENT		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	15,040	Hours		\$ (b) (4) NTE
	All services to be performed shall be in accordance with the Statement of Work in Section C.				
	NTE 155,100 Hours				
	FOB: Destination PURCHASE REQUEST NUMBER: 1301018762 PSC CD: AC33				
				ESTIMATED COST	\$ (b) (4)
				FIXED FEE	\$ (b) (4)
				TOTAL EST COST + FEE	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000101	For Navy Accounting Purposes Only CPFF				\$0.00
	PURCHASE REQUEST NUMBER: 1301018762				
				ESTIMATED COST	\$0.00
				FIXED FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN AA CIN: 130101876200001				
					\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000102	For Navy Accounting Purposes Only CPFF PURCHASE REQUEST NUMBER: 1301051276				\$0.00
				ESTIMATED COST	\$0.00
				FIXED FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN AD CIN: 130105127600001				\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000103	For Navy Accounting Purposes Only CPFF PURCHASE REQUEST NUMBER: 1301067048				\$0.00
				ESTIMATED COST	\$0.00
				FIXED FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN AE CIN: 130106704800001				\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PURCHASE REQUEST NUMBER: 1301018762 PSC CD: AC33	1	Lot		\$ (b) (4) NTE
				ESTIMATED COST	\$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000201	For Navy Accounting Purposes Only COST PURCHASE REQUEST NUMBER: 1301018762				\$0.00 NTE
	ACRN AA CIN: 130101876200002			ESTIMATED COST	\$0.00 \$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000202	For Navy Accounting Purposes Only COST PURCHASE REQUEST NUMBER: 1301033804				\$0.00 NTE
	ACRN AB CIN: 130103380400001			ESTIMATED COST	\$0.00 \$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000203	For Navy Accounting Purposes Only COST PURCHASE REQUEST NUMBER: 1301037485				\$0.00 NTE
	ACRN AC CIN: 130103748500001			ESTIMATED COST	\$0.00 \$ (b) (4)



ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	CDRLs FFP The contractor shall provide data in accordance with the CDRLs, DD Form 1423, Exhibit A. FOB: Destination PSC CD: AC33	1	Lot		NSP

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NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Contractor Acquired Property to GFP FFP All Contractor Acquired Property disbursed to the Government at the completion of this order. FOB: Destination PSC CD: AC33	1	Lot		NSP

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NET AMT

Section C - Descriptions and Specifications

SOW

**CONTRACT NUMBER N6893619D0033**

**T.O. 11**

**STATEMENT OF WORK**

**SkyRange RangeLynx Instrumentation Support**

1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development and deployment of SkyRange Range instrumentation systems in Global Hawk, hereto referred to as Range Hawk (RH), MQ-9 Reaper, hereto referred to as Range Reapers Unmanned Aerial Vehicles (UAV)'s as well as for multiple mobile instrumentation ground stations to support customers hypersonic Test & Evaluation (T&E) events. SkyRange is an initiative of the Test Resource Management Center (TRMC) to develop test & evaluation instrumentation infrastructure and test architecture to support hypersonic test events. Specifically, this shall provide for test instrumentation development, Operating & Maintaining and mission execution support for telemetry processing and communication systems (hereto referred to as RangeLynx) in SkyRange UAV's and ground stations. This support shall include Range instrumentation system operators and maintainers, engineering, systems engineering, mission planning, test support, analysis, cybersecurity, logistics, inventory and design and development of new Range instrumentation systems.

1.2 General Scope of Work

The tasks identified in this TO will be to provide a high level of specialized support to NAWCWD for high visibility and complex T&E operations occurring in the Broad Ocean Area where deployment of SkyRange instrumentation equipment and services are required to meet customer requirements. It is anticipated that up to four Range Hawk RangeLynx instrumentation systems shall be supported (designated as RHRL-1, RHRL-2, RHRL-3, RHRL-4) and one Range Reaper instrumentation system (designated as RRRL-1) within this task order period of performance. The schedule for this work will be provided to the contractor via secure means.

This task is severable.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- SkyRange Development and Mission schedules to be provided by secure means.
- Mission Specific Security Classification Guidelines to be provided by secure means.
- Mission Specific Data Product and Handling Guidelines to be provided by secure means.
- Mission Specific Telemetry Tapes and Telemetry Dictionaries to be provided by secure means.

3.0 TECHNICAL TASKS

3.1 Mission Execution (Basic SOW 3.2.1)

3.1.1 RangeLynx Telemetry Processing and Decommuration

The contractor shall provide RangeLynx telemetry processing and decommutation mission execution support for hypersonic test events as designated by the government in separate secure communications. These systems include RangeLynx systems designated as RHRL-1, RHRL-2, RHRL-3, RHRL-4, NAWCWD BLD53A room 232 RangeLynx node and RRRL-1. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (9) separate test events. Up to two SkyRange UAV's (Range Hawk and/or Range Reaper) may be supported simultaneously at physically disparate locations such as Edwards Air Force Base (EAFB), Kaneohe Bay (Marine Corps Base Hawaii), Southern California Logistics Airport (SCLA) Victorville CA, or other designated locations. It is anticipated that up to two weeks of personnel deployment will be required to support each test event at each UAV staging location as well as at NAWCWD BLD53A room 232 RangeLynx node. The contractor shall deliver to the government personnel and equipment deployment plans at least 14 days prior to mission deployment. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Electrical Power Systems

The contractor shall provide electrical power system mission execution support for hypersonic test events as designated by the government in separate secure communications. These systems shall provide power to the RangeLynx mobile ground based instrumentation systems designated as LeiLani, Kaila and Emily. These supporting power systems may consist of shore power and/or portable trailer mounted generators and possibly coupled with power auto transfer capability. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the electrical power system equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (4) separate test events from Kaneohe Bay (Marine Corps Base Hawaii), Southern California Logistics Airport (SCLA) Victorville CA, Wallops Flight Facility Virginia or other designated locations. It is anticipated that up to two weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government personnel and equipment deployment plans at least 14 days prior to mission deployment. (Basic SOW 3.2.1.5) (CDRL A001, A002, A005, A006, A007)

## 3.2 Operations and Maintenance (O&M) (Basic SOW 3.2.2)

3.2.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for the RangeLynx telemetry processing systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain RangeLynx cybersecurity compliance. It is anticipated the contractor shall support up to (9) RangeLynx telemetry processing nodes as follows: NAWCWD Pt. Mugu Bld 53A Room 232, (3) RangeLynx mobile ground based instrumentation systems designated as LeiLani, Kaila and Emily, Rand Hawk RangeLynx systems designated as RHRL-1, RHRL-2, RHRL-3, RHRL-4 and Range Reaper RangeLynx system RRRL-1. The contractor shall deliver to the government the RangeLynx telemetry processing systems O&M plan thirty days after the start of this task order. The contractor shall document and deliver O&M results to the government two weeks after completion of each O&M phase. It is anticipated that (2) O&M phase will be required for RangeLynx system within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.2 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for (3) trailer mounted 70KW generators physically located at NAWCWD Pt. Mugu or other designated locations ensuring the generators and trailers are 100% mission ready. These systems shall provide power to the RangeLynx mobile ground based instrumentation systems designated as LeiLani, Kaila and Emily. Maintenance actions include, but are not limited to regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. In-addition, the contractor shall identify and recommend critical spares to support remote deployment of the generators. The contractor shall deliver to the government the generator O&M plan and recommended critical spares list thirty

days after the start of this task order. The contractor shall provide a generator maintenance report including maintenance actions, problems, status, maintenance recommendations, and run-time hours on an end of month reporting basis. It is anticipated that (2) O&M phase will be required for each generator within the period of performance of this task order. (Basic SOW 3.2.2.5) (CDRL A002)

### 3.3 Range Hawk and Range Instrumentation RDT&E Engineering (Basic SOW 3.2.3)

3.3.1 The contractor shall provide mission planning and test support for the SkyRange RangeLynx telemetry processing test events and missions. The contractor shall analyze customer test requirements and develop plans to meet those requirements. This shall include day-to-day mission coordination, documentation of mission requirements, analysis, creation of deployment plans, test plans, data management plans, concepts of operation and logistics planning. The contractor shall support trouble shooting of problems that arise during the course of engineering tests and Range operations and provide technical feedback to the government to aid in problem resolution. (Basic SOW 3.2.3.1) (CDRLs A002, A00D, A00E)

3.3.2 The contractor shall provide RangeLynx telemetry data processing support to meet mission requirements. The contractor shall provide and generate telemetry Mission Builds to meet mission requirements for RangeLynx and Range Reaper instrumentation systems. This will include decomm loads, "strip n ship", format definitions and documentation, commutation and decommutation loads. It is anticipated that the contractor shall support up to (9) separate test events. (Basic SOW 3.2.3.1.9) (CDRLs A002, A004, A007)

3.3.3 The contractor shall analyze and develop a critical spares provisioning plan for RangeLynx instrumentation systems aboard Range Hawks, Range Reapers, mobile RangeLynx ground instrumentation systems and for the RangeLynx node in NAWCWD BLD53A room 232. This shall include the analysis and identification of critical spares, rational for subject identification, as well as an assessment of the Mean Time to Repair for identified critical equipment. It shall also include an identification and recommendation of required diagnostic test equipment and tools for each RangeLynx system and site. The contractor shall present the spares provisioning plan to the government no later than 60 days after task order award. (Basic SOW 3.2.3.2.1) (CDRL A002, A00D)

3.3.4 The contractor shall provide analysis and engineering support necessary to design and develop an integration of the RangeLynx system aboard a Range Hawk UAV with the High-fidelity Automated Airborne Reconfigurable Tracking System (HAARTS) multi-spectral imaging system to meet mission requirements. Specific requirements include providing HAARTS with Time Space Position-Information (TSPI) as well as a secure tunnel for HAARTS C2 over the onboard Range Hawk INMARSAT. The design shall take into consideration HAARTS mission execution CONOPS. The HAARTS C2 interface should be able to be operated locally from one of the RangeLynx mobile instrumentation ground stations (Leilani, Kaila, Emily) co-located at the UAV staging site. Deliverables for this shall include the following:

- 1) Documented RangeLynx and HAARTS CONOPS
- 2) Documented interface design recommendation
- 3) Drawings depicting interfaces and data flow
- 4) Document an assessment of the cost and schedule to implement HAARTS C2 capability from one of the RangeLynx mobile ground instrumentation systems (Leilani, Kaila, Emily)

The contractor shall present the task deliverables, analysis, and design and recommendations to the government no later than 60 days after task order award. (Basic SOW 3.2.3.2 and 3.2.3.3) (CDRLs A001, A002, A004, A005, A006, A007, A00D)

3.3.5 The contractor shall analyze and propose a design recommendation for RangeLynx Command and Control (C2) interface and control software and/or Graphical User Interface (GUI) to remotely operate over INMARSAT SATCOM links. This shall include operation of RangeLynx systems aboard Range Hawks and Range Reapers UAVs. The design shall take into consideration unique UAV platform requirements and mission execution

CONOPS. The RangeLynx C2 interface should be able to be operated either locally from one of the RangeLynx mobile instrumentation ground stations (LeiLani, Kaila, Emily) co-located at a UAV staging site or from NAWCWD BLD53A room 232. Deliverables for this design recommendation shall include the following:

- 1) Documented RangeLynx mission execution operation CONOPS for Range Hawk and Range Reapers RangeLynx operation
- 2) Requirements document clearly stating the features and capabilities and user interface to be implemented.
- 3) Documented design recommendation or Analysis of Alternatives.
- 4) Drawings depicting interfaces and data flow
- 5) Document an assessment of the cost and schedule to implement

The contractor shall present the task deliverables and hold a design and recommendation review with the government no later than 60 days after task order award. (Basic SOW 3.2.3.2 and 3.2.3.3) (CDRLs A001, A002, A004, A005, A006, A007, A00D)

3.3.6 The contractor shall provide logistics support providing for transport and movement of Range Instrumentation equipment and other related systems, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support mission requirements. This shall include appropriate packaging, crating, forklift and crane support as required for safe transport of the equipment. It is anticipated that (50) movements of typical items including but not limited to: 20ft Sea Containers, electronic racks, various communications telemetry processing electronics and equipment, antennas, trailer mounted generators will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.3.7 The contractor shall maintain the SkyRange RangeLynx Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current. The contractor shall identify and verify scanning requirements and remediation tasks for all of the equipment within the accreditation boundary. The contractor shall perform the required RMF Continuous Monitoring ensuring all requirements are met. The contractor shall develop and maintain RMF compliant cybersecurity certification documentation, artifacts, waivers and work with the Government-designated cybersecurity Case Managers to ensure acceptance by the Designated Approval Authority (DAA). The contractor shall track training and certification requirements and compliance for assigned System Administrators (SA). The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting mission requirements. (Basic SOW 3.2.3.4) (CDRL A001, A002, A00B)

### 3.4 Design and Development of Instrumentation Systems (Basic SOW 3.2.4)

3.4.1 The contractor shall design, develop, procure, build-up, install, and configure (3) RangeLynx telemetry processing and communications systems for integration into SkyRange instrumentation architecture including into a Range Hawk, Range Reaper UAV's and incorporated into a RangeLynx mobile ground instrumentation system. The contractor shall develop and provide the Range Instrumentation systems per the instrumentation schedule provided by the government to the contractor by secure means. Instrumentation systems for the Range Hawk shall be installed and integrated on the UAV's on-site at the Armstrong Flight Research Center (AFRC) NASA located on Edwards AFB and for the Range Reaper at a site TBD. The contractor shall plan, prepare and support environmental testing of all developed UAV flight hardware for vibration, temperature and pressure testing environments. The government shall provide as GFE the physical space for the installation, integration and test, access to the government environmental test facilities, facility power, HVAC, integration and interface support with other UAV systems, and security. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.4.3 The contractor shall prepare and deliver to the government a RangeLynx telemetry processing and communications design package as implemented in NAWCWD BLD53A room 232, RangeLynx systems RHRL-1, RHRL-2, RHRL-3, RHRL-4 and for one MQ-9 RRRL-1 system. This shall consist of the following: hard and soft copies of: all design documentation and drawings, fabrication drawings, interface control documentation, electrical interfaces, mechanical interfaces, power interfaces, environmental test plans and reports, equipment layouts, rack elevations, material and equipment parts lists including documentation for hardware and software licensing and support agreements. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

4.0 Anticipated travel under this task order:

Destination	EAFB CA	Pt. Mugu	Wash DC	WFF VA	Oahu HI	Victorville CA
Number of trips	5	9	1	2	2	4
Number of travelers	2	2	1	2	2	2
Number of nights	14	14	3	14	14	3

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	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
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
0003	Destination	Government	Destination	Government
0004	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 21-JUL-2022 TO 20-JUL-2023	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
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
0002	POP 21-JUL-2022 TO 20-JUL-2023	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
000201	N/A	N/A	N/A	N/A
000202	N/A	N/A	N/A	N/A
000203	N/A	N/A	N/A	N/A
0003	POP 21-JUL-2022 TO 20-JUL-2023	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
0004	POP 21-JUL-2022 TO 20-JUL-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N63126



Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00006875933  
 AMOUNT: \$ (b) (4)

AB: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00007005222  
 AMOUNT: \$ (b) (4)

AC: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00007038539  
 AMOUNT: \$ (b) (4)

AD: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00007183780  
 AMOUNT: \$ (b) (4)

AE: 97X4930 NH2C 255 77777 0 050120 2F 000000  
 COST CODE: A00007333593  
 AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130101876200001	\$ (b) (4)
	000201	130101876200002	\$ (b) (4)
AB	000202	130103380400001	\$ (b) (4)
AC	000203	130103748500001	\$ (b) (4)
AD	000102	130105127600001	\$ (b) (4)
AE	000103	130106704800001	\$ (b) (4)



# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N6893619D0033		2. DELIVERY ORDER/ CALL NO. N6893623F0563		3. DATE OF ORDER/ CALL (YYYYMMDD) 2023 Jun 05		4. REQ./ PURCH. REQUEST NO. 1301087325		5. PRIORITY	
6. ISSUED BY CDR NAWCWD CODE D230000 ATTN: (b) (6) 1 ADMINISTRATION CIRCLE, STOP 1303 CHINA LAKE CA 93555			7. ADMINISTERED BY (if other than 6) <b>SEE ITEM 6</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)				
9. CONTRACTOR PERATON INC. NAME (b) (6) AND 12975 WORLDGATE DR STE 7322 ADDRESS HERNDON VA 20170-6008			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		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 CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049			15. PAYMENT WILL BE MADE BY NAVY ERP NAVAIR WD, CODE J26000D 1 ADMIN CIRCLE MAIL STOP 1318 CHINA LAKE CA 93555-5000		16. 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: <b>1</b>									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT	
<b>SEE SCHEDULE</b>									
* 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) 793-3819 EMAIL: tara.m.brandt.civ@us.navy.mil BY: TARA BRANDT			<i>Tara M Brandt</i> CONTRACTING / ORDERING OFFICER		25. TOTAL	\$2,956,537.10
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
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 <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.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Labor CPFF	11,200	Hours		\$ (b) (4) NTE
All services to be performed shall be in accordance with the Statement of Work in Section C.					

FOB: Destination  
 PURCHASE REQUEST NUMBER: 1301087325  
 PSC CD: AC33

ESTIMATED COST	\$ (b) (4)
FIXED FEE	\$ (b) (4)
<b>TOTAL EST COST + FEE</b>	<b>\$ (b) (4)</b>

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000101	For Navy Accounting Purposes Only CPFF				\$0.00

PURCHASE REQUEST NUMBER: 1301087325

ESTIMATED COST	\$0.00
FIXED FEE	\$0.00
<b>TOTAL EST COST + FEE</b>	<b>\$0.00</b>

ACRN AA  
 CIN: 130108732500001 \$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Material / Travel COST In accordance with the Statement of Work in Section C. FOB: Destination PURCHASE REQUEST NUMBER: 1301087325 PSC CD: AC33	1	Lot		\$ (b) (4) NTE

ESTIMATED COST \$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000201	For Navy Accounting Purposes Only COST PURCHASE REQUEST NUMBER: 1301087325				\$0.00 NTE

ESTIMATED COST \$0.00

ACRN AA  
 CIN: 130108732500002 \$ (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	CDRLs FFP The contractor shall provide data in accordance with the CDRLs, DD Form 1423, Exhibit A. FOB: Destination PSC CD: AC33	1	Lot		NSP

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NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Contractor Acquired Property to GFP FFP All Contractor Acquired Property disbursed to the Government at the completion of this order. FOB: Destination PSC CD: AC33	1	Lot		NSP

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NET AMT

## Section C - Descriptions and Specifications

STATEMENT OF WORK**CONTRACT NUMBER N6893619D0033****T.O. 12****STATEMENT OF WORK****RangeLynx Instrumentation Support**

## 1.0 INTRODUCTION

1.1 This Task Order (TO) covers specialized Research, Development, Test & Evaluation (RDT&E) services for development and deployment of SkyRange Range instrumentation systems in Global Hawk, hereto referred to as Range Hawk (RH), MQ-9 Reaper, hereto referred to as Range Reapers Unmanned Aerial Vehicles (UAV)'s as well as for multiple mobile instrumentation ground stations to support customers hypersonic Test & Evaluation (T&E) events. SkyRange is an initiative of the Test Resource Management Center (TRMC) to develop test & evaluation instrumentation infrastructure and test architecture to support hypersonic test events. Specifically, this shall provide for test instrumentation development, Operating & Maintaining and mission execution support for telemetry processing and communication systems (hereto referred to as RangeLynx) in SkyRange UAV's and ground stations. This support shall include Range instrumentation system operators and maintainers, engineering, systems engineering, mission planning, test support, analysis, cybersecurity, logistics, inventory and design and development of new instrumentation systems.

## 1.2 General Scope of Work

The tasks identified in this TO will be to provide a high level of specialized support to NAWCWD for high visibility and complex T&E operations occurring in the Broad Ocean Area where deployment of SkyRange instrumentation equipment and services are required to meet customer requirements. It is anticipated that up to four Range Hawk RangeLynx instrumentation systems shall be supported (designated as RHRL-1, RHRL-2, RHRL-3, RHRL-4) and one Range Reaper instrumentation system (designated as RRRL-1) within this task order period of performance. It is anticipated that up to four RangeLynx mobile instrumentation systems shall be supported (designated as LeiLani, Kaila, Emily, Isabelle) within this period of performance. The schedule for this work will be provided to the contractor via secure means.

This task is severable.

## 2.0 APPLICABLE DOCUMENTS

## 2.1 Applicable documents are:

- Cybersecurity DoD Instruction 8500.01
- DOD Directive 8570.1
- SkyRange Development and Mission schedules to be provided by secure means.
- Mission Specific Security Classification Guidelines to be provided by secure means.
- Mission Specific Data Product and Handling Guidelines to be provided by secure means.
- Mission Specific Telemetry Tapes and Telemetry Dictionaries to be provided by secure means

## 3.0 TECHNICAL TASKS

## 3.1 Mission Execution (Basic SOW 3.2.1)

## 3.1.1 RangeLynx Telemetry Processing and Decommuration

The contractor shall provide RangeLynx telemetry processing and decommutation mission execution support for hypersonic test events as designated by the government in separate secure communications. These systems include RangeLynx systems designated as RHRL-1, RHRL-2, RHRL-3, RHRL-4, NAWCWD BLD53A room 232 and RRR-1. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the telemetry processing equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (8) separate test events. Up to three SkyRange UAV's (Range Hawk and/or Range Reaper) may be supported simultaneously at physically disparate locations such as Edwards Air Force Base (EAFB), Kaneohe Bay (Marine Corps Base Hawaii), Southern California Logistics Airport (SCLA) Victorville CA, or other designated locations. It is anticipated that up to two weeks of personnel deployment will be required to support each test event at each UAV staging location as well as at NAWCWD BLD53A room 232 RangeLynx node. The contractor shall deliver to the government personnel and equipment deployment plans at least 14 days prior to mission deployment. (Basic SOW 3.2.1.1) (CDRL A001, A002, A005, A006, A007)

### 3.1.2 Mission Communications

The contractor shall assist the government with International Marine/Maritime Satellite (INMARSAT) and mission voice communications mission execution support for RH hypersonic tests as designated by the government in separate secure communications. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the communications equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (8) test events. Up to three RH may be supported at physically disparate locations such as EAFB, Kaneohe Bay (Marine Corps Base Hawaii) or other designated locations. It is anticipated that up to two weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government personnel and equipment deployment plans at least 14 days prior to mission deployment. (Basic SOW 3.2.1.2) (CDRL A001, A002)

### 3.1.3 Electrical Power Systems

The contractor shall provide electrical power system mission execution support for hypersonic test events as designated by the government in separate secure communications. These systems designated as RLG1, RLG2, RLG3, RLG4, shall provide power to the RangeLynx mobile ground based instrumentation systems designated as Kaila & Isabelle. These supporting power systems may consist of shore power and/or portable trailer mounted generators and possibly coupled with power auto transfer capability. This shall include the personnel required for on-site system preparation and activation, including testing, troubleshooting, and repair or replacement of equipment ensuring the electrical power system equipment is 100% mission ready. The contractor shall support the equipment build-up, activation, pre-mission, mission test events, post mission and egress events. The government shall provide the mission deployment and test event schedules to the contractor via secure means. It is anticipated that the contractor shall support up to (4) separate test events from Kaneohe Bay (Marine Corps Base Hawaii), Southern California Logistics Airport (SCLA) Victorville CA, Wallops Flight Facility Virginia or other designated locations. It is anticipated that up to two weeks of personnel deployment will be required to support each test event. The contractor shall deliver to the government personnel and equipment deployment plans at least 14 days prior to mission deployment. (Basic SOW 3.2.1.5) (CDRL A001, A002, A005, A006, A007)

## 3.2 Operations and Maintenance (O&M) (Basic SOW 3.2.2)

3.2.1 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for the RangeLynx telemetry processing systems ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain RangeLynx cybersecurity compliance. It is anticipated the contractor shall support up to (10) RangeLynx telemetry processing nodes as follows: NAWCWD Pt. Mugu Bld 53A Room 232, (4) RangeLynx mobile ground based instrumentation systems designated as LeiLani, Kaila, Emily, Isabelle and Range Hawk RangeLynx systems designated as RHRL-1, RHRL-2, RHRL-3, RHRL-4



and Range Reaper RangeLynx system RRRL-1. The contractor shall deliver to the government the RangeLynx telemetry processing systems O&M plan thirty days after the start of this task order. The contractor shall document and deliver O&M results to the government two weeks after completion of each O&M phase. It is anticipated that (1) O&M phase will be required for RangeLynx system within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.2 The contractor shall assist the government in providing a maintenance plan, maintenance of, and maintenance results for the communication systems (INMARSAT and mission voice equipment) ensuring they are mission ready. The contractor shall provide regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. This shall include performing required cybersecurity standard image, IAVA, IOS updates to maintain cybersecurity compliance. It is anticipated the contractor shall support up to (5) communications nodes: NAWCWD Pt. Mugu Bld 53A Room 232, RangeLynx mobile ground based instrumentation systems designated as LeiLani, Kaila, Emily and Isabelle. The contractor shall deliver to the government the communication systems O&M plan thirty days after the start of this task order. The contractor shall document and deliver O&M results to the government two weeks after completion of each O&M phase. It is anticipated that (1) O&M phases will be required for each site within the period of performance of this task order. (Basic SOW 3.2.2.1) (CDRL A002)

3.2.3 The contractor shall provide a maintenance plan, maintenance of, and maintenance results for (4) trailer mounted 70KW generators (designated as RLG1, RLG2, RLG3, RLG4) physically located at NAWCWD Pt. Mugu or other designated locations ensuring the generators and trailers are 100% mission ready. These systems shall provide power to the RangeLynx mobile ground based instrumentation systems designated as Kaila and Isabelle. Maintenance actions include, but are not limited to regular periodic maintenance, pre- and post-mission maintenance, and post-repair maintenance. In-addition, the contractor shall identify and recommend critical spares to support remote deployment of the generators. The contractor shall deliver to the government the generator O&M plan and recommended critical spares list thirty days after the start of this task order. The contractor shall provide a generator maintenance report including maintenance actions, problems, status, maintenance recommendations, and run-time hours on an end of month reporting basis. It is anticipated that (1) O&M phase will be required for each generator within the period of performance of this task order. (Basic SOW 3.2.2.5) (CDRL A002)

### 3.3 Range Hawk and Range Instrumentation RDT&E Engineering (Basic SOW 3.2.3)

3.3.1 The contractor shall provide RangeLynx telemetry data processing support to meet mission requirements. The contractor shall provide and generate telemetry Mission Builds and display files to meet mission requirements for RangeLynx and Range Reaper instrumentation systems. This will include decommutation loads, "strip n ship" builds and mission display files. It is anticipated that the contractor shall support up to (8) separate test events. (Basic SOW 3.2.3.1.9) (CDRLs A002, A004, A007)

3.3.2 The contractor shall provide analysis and engineering support necessary to design and develop an integration of the RangeLynx system aboard a Range Hawk UAV with the High-fidelity Automated Airborne Reconfigurable Tracking System (HAARTS) multi-spectral imaging system to meet mission requirements. Specific requirements include providing HAARTS with Time Space Position-Information (TSPI) as well as a secure tunnel for HAARTS C2 over the onboard Range Hawk INMARSAT in-addition to incorporation of Airborne Data Unit (ADU-1000) Communication Security serial decrypters into the RangeLynx architecture. The design shall take into consideration HAARTS and RangeLynx mission execution CONOPS. The HAARTS C2 interface should be able to be operated locally from one of the RangeLynx mobile instrumentation ground stations (Leilani, Kaila, Emily, Isabelle) co-located at the UAV staging site or from the RangeLynx node located at NAWCWD BLD53 room 232. Deliverables for this shall include the following:

- 1) Documented RangeLynx and HAARTS CONOPS
- 2) Documented interface design recommendation
- 3) Drawings depicting interfaces and data flow

The contractor shall present the task deliverables, analysis, and design and recommendations to the government no later than 90 days after task order award. (Basic SOW 3.2.3.2 and 3.2.3.3) (CDRLs A001, A002, A004, A005, A006, A007, A00D)

3.3.3 The contractor shall provide logistics support providing for transport and movement of Range Instrumentation equipment and other related systems, parts, and test support equipment by ground, air, rail, barge or other appropriate transportation means to support mission requirements. This shall include appropriate packaging, crating, forklift and crane support as required for safe transport of the equipment. It is anticipated that (20) movements of typical items including but not limited to: 20ft Sea Containers, electronic racks, various communications telemetry processing electronics and equipment, antennas, trailer mounted generators will occur within the period of performance of this TO. The contractor may provide temporary storage facilities in the field or remote sites for instrumentation systems or support equipment to meet mission requirements. (Basic SOW 3.2.3.6) (CDRL A002)

3.3.4 The contractor shall maintain the SkyRange RangeLynx Risk Management Framework (RMF) accreditation ensuring cybersecurity certification and accreditation documentation are in-place and current. The contractor shall identify and verify scanning requirements and remediation tasks for all of the equipment within the accreditation boundary. The contractor shall perform the required RMF Continuous Monitoring ensuring all requirements are met. The contractor shall develop and maintain RMF compliant cybersecurity certification documentation, artifacts, waivers and work with the Government-designated cybersecurity Case Managers to ensure acceptance by the Designated Approval Authority (DAA). The contractor shall track training and certification requirements and compliance for assigned System Administrators (SA). The contractor shall assist the government with Inter-Service Agreements (ISA) and Authority-To-Connect (ATO) development and support documentation as required meeting mission requirements. (Basic SOW 3.2.3.4) (CDRL A001, A002, A00B)

3.4 Design and Development of Instrumentation Systems (Basic SOW 3.2.4)

3.4.1 The contractor shall design, develop, procure, build-up, install, and configure up to (3) RangeLynx telemetry processing and communications systems for integration into SkyRange instrumentation architecture including into a Range Hawk, Range Reaper UAV’s and incorporated into a RangeLynx mobile ground instrumentation systems. The contractor shall develop and provide the Range Instrumentation systems per the instrumentation schedule provided by the government to the contractor by secure means. Instrumentation systems for the Range Hawk shall be installed and integrated on the UAV’s on-site at the Armstrong Flight Research Center (AFRC) NASA located on Edwards AFB and for the Range Reaper at the Southern California Logistics Airport (SCLA) Victorville CA. The contractor shall plan, prepare and support environmental testing of all developed UAV flight hardware for vibration, temperature and pressure testing environments. The government shall provide as GFE the physical space for the installation, integration and test, access to the government environmental test facilities, facility power, HVAC, integration and interface support with other UAV systems, and security. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

3.4.3 The contractor shall prepare and deliver to the government a RangeLynx telemetry processing and communications design package as implemented in NAWCWD BLD53A room 232, RangeLynx systems RHRL-1, RHRL-2, RHRL-3, RHRL-4 and for one MQ-9 RRRL-1 system. This shall consist of the following: hard and soft copies of: all design documentation and drawings, fabrication drawings, interface control documentation, electrical interfaces, mechanical interfaces, power interfaces, environmental test plans and reports, equipment layouts, rack elevations, material and equipment parts lists including documentation for hardware and software licensing and support agreements. (Basic SOW 3.2.4) (CDRLs A001, A002, A004, A005, A006, A007, A00D, A00E)

4.0 Anticipated travel under this task order:

Destination	EAFB CA	Pt. Mugu	Wash DC	WFF VA	Oahu HI	Victorville CA
Number of trips	8	8	1	2	2	2
Number of travelers	2	2	1	2	2	2

Number of nights	14	14	3	14	14	3
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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	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
0003	Destination	Government	Destination	Government
0004	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 05-JUN-2023 TO 04-JUN-2024	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
000101	N/A	N/A	N/A	N/A
0002	POP 05-JUN-2023 TO 04-JUN-2024	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
000201	N/A	N/A	N/A	N/A
0003	POP 05-JUN-2023 TO 04-JUN-2024	N/A	CDR NAWCWD CODE D555300 (b) (6) CODE 411200E 575 "I" AVE, SUITE 1 POINT MUGU CA 93042-5049 (b) (6) FOB: Destination	N63126
0004	POP 05-JUN-2023 TO 04-JUN-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N63126

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH2C 255 77777 0 050120 2F 000000  
COST CODE: A00007539504  
AMOUNT: \$ (b) (4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	130108732500001	\$ (b) (4)
	000201	130108732500002	\$ (b) (4)

## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984

## CLAUSES INCORPORATED BY FULL TEXT

**5252.232-9524 ALLOTMENT OF FUNDS (NAVAIR)(OCT 2005)**

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "FIXED FEE", are as follows:

ITEM(S) ALLOTTED TO FIXED FEE

CLIN0001 Labor \$ (b) (4)

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the Section I "LIMITATION OF FUNDS" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

PERIOD OF

ITEM(S) ALLOTTED TO COST PERFORMANCE

CLIN0001 Labor \$ (b) (4) 05 June 2023 – 04 June 2024

CLIN0002 ODCs \$ (b) (4) 05 June 2023 – 04 June 2024

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.