

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NUMBER P00038		3. EFFECTIVE DATE 07/24/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER [REDACTED]		5. PROJECT NUMBER (If applicable) N/A	
6. ISSUED BY CODE NAVAL SURFACE WARFARE CENTER PHILA NSWCPD Philadelphia, PA 19112-1403		CODE N64498		7. ADMINISTERED BY (If other than Item 6) CODE DCMA PHILADELPHIA 700 ROBBINS AVENUE, BLDG. 4-A, P.O. BOX 11427 PHILADELPHIA, PA 19111-0427		CODE S3915A SCD C	
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) Green Expert Technology Inc. 30 Washington Avenue, Suite A-2 Haddonfield, New Jersey 08033				<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NUMBER			
				<input type="checkbox"/> 9B. DATED (SEE ITEM 11)			
				<input checked="" type="checkbox"/> 10A. MODIFICATION OF CONTRACT/ORDER NUMBER N00178-15-D-8228/N6449818F3003			
				<input type="checkbox"/> 10B. DATED (SEE ITEM 13) 09/21/2018			
CODE 6J8P0		FACILITY CODE 969536932					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

SEE SECTION G

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) IAW FAR 52.232-22 Limitation of Funding

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

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

SEE PAGE 2

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		[REDACTED]	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16C. DATE SIGNED	
(Signature of person authorized to sign)		(Signature of Contracting Officer)	07/23/2020

General Information

The purpose of this modification is to (1) add incremental funding in the amount of [REDACTED] for TI 39; (2) make applicable additions to Sections B and G; and (3) note revisions to SEA Clause 5252.232-9104 Allotment of Funds Alternate I (Jan 2008).

(1) The total amount of funds obligated to the task order is hereby increased from [REDACTED]

CLIN/SLIN	Fund Type	From	By	To
[REDACTED]				

The total value of the task order is hereby increased from \$7,916,901.00 by \$150,000.00 to \$8,066,901.00.

CLIN/SLIN	From	By	To
[REDACTED]			

The Period of Performance of the following line items is hereby changed as follows:

CLIN/SLIN	From	To
[REDACTED]		


In accordance with Contract FAR Clause 52.232-22 Limitation of Funds, the Government is not obligated to reimburse the contractor for any costs incurred in excess [REDACTED] unless additional funds are made available and obligated under this order in a subsequent modification. The contractor is not authorized to start performance with the funds cited in an applicable Technical Instruction (TI) until the TI is signed by the Contracting Officer, Contracting Officer Representative, and Contractor.

(2) The accounting and appropriation data added to Section G is as follows:

[REDACTED]				
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(3) Section G Clause entitled SEA 5252.232-9104 Allotment of Funds Alt I (Jan 2008) has been revised to read as follows:

CLIN	Allotted to Cost	Allotted to Fee	Total	Period of Performance
[REDACTED]				



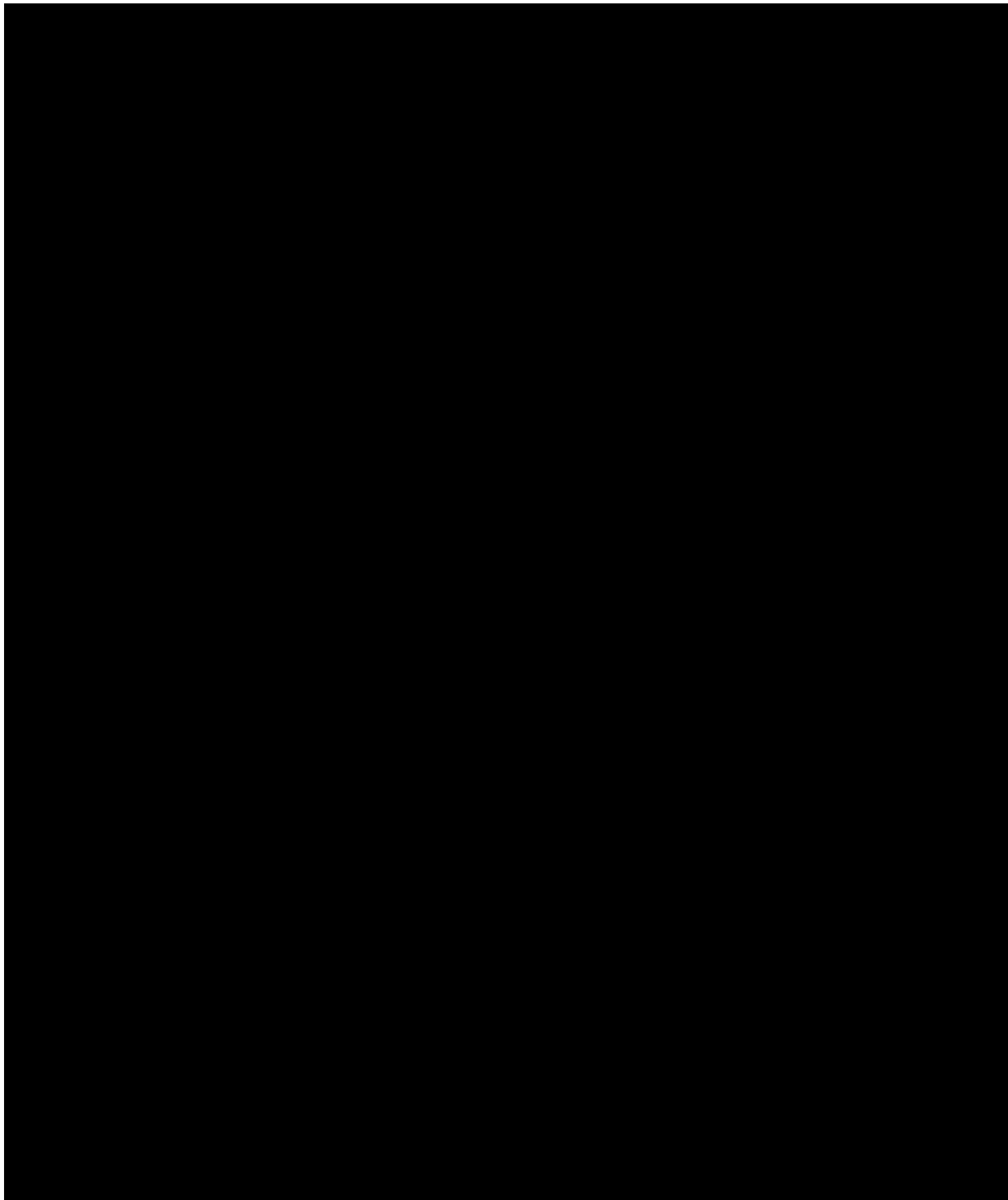
The end date of the Task Order performance is 20 September 2023. All other terms and conditions of the task order remain unchanged.

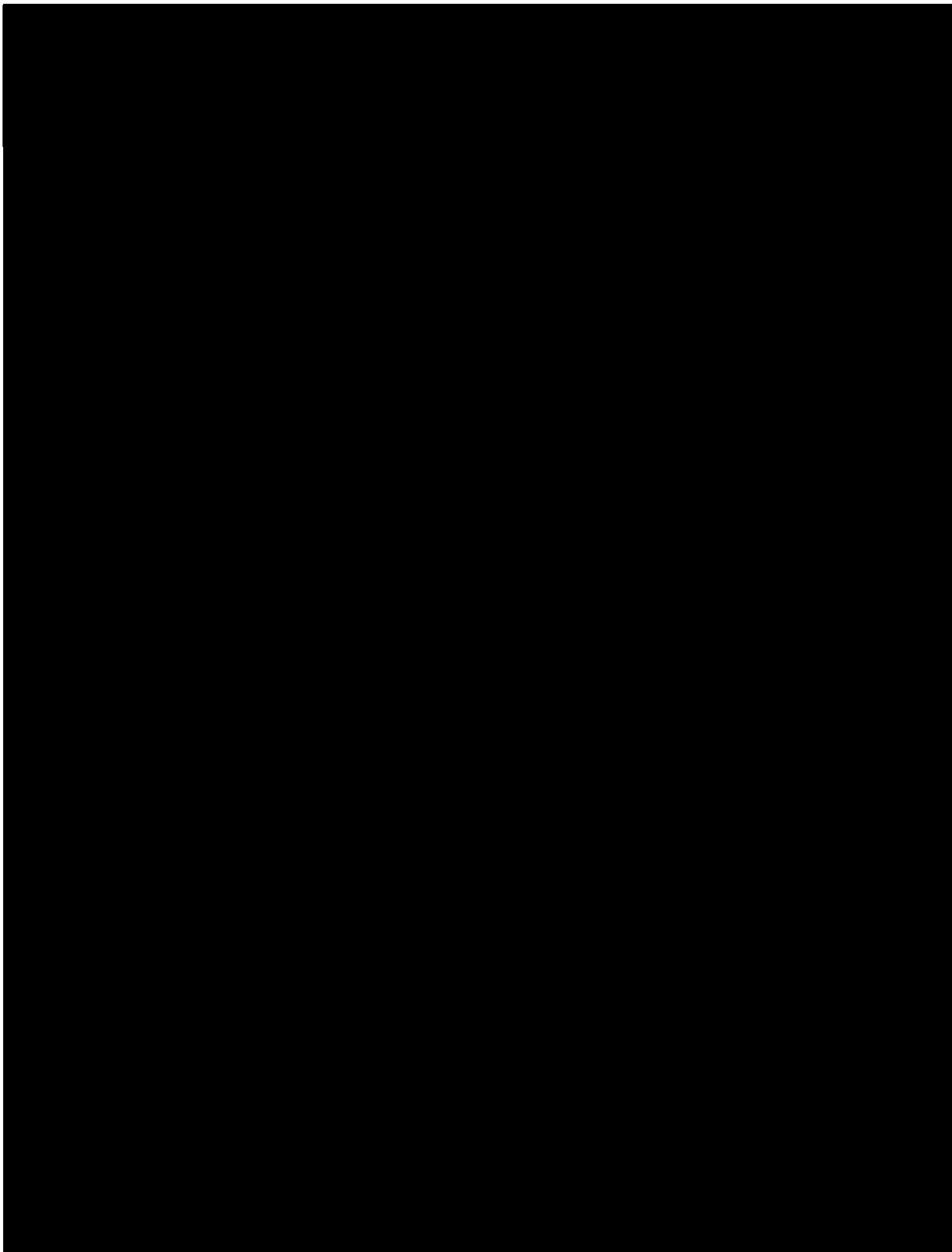
A conformed copy of this Task Order is attached to this modification for informational purposes only.

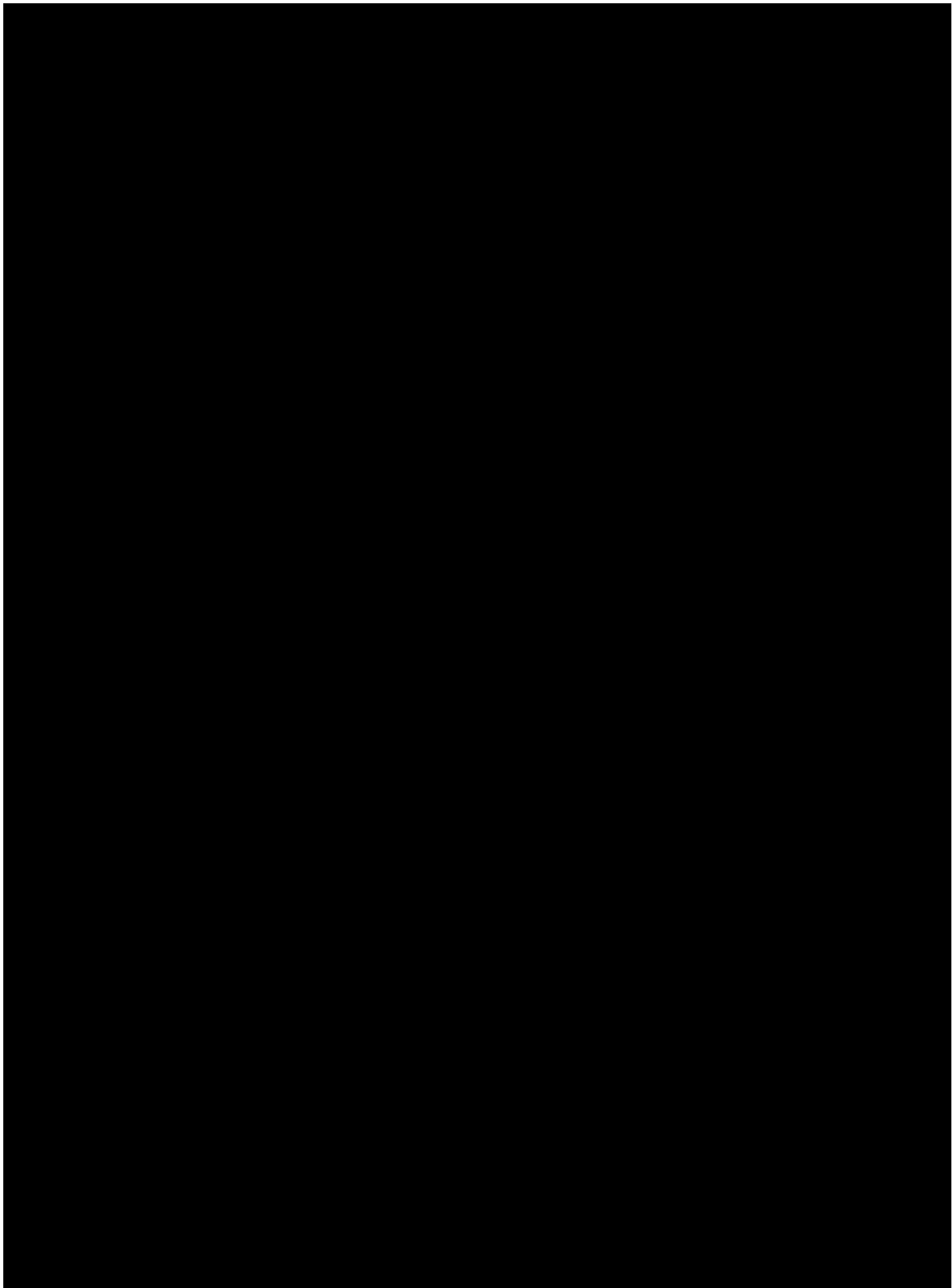
ORDER FOR SUPPLIES OR SERVICES					PAGE 1 OF 92
1. CONTRACT/PURCH ORDER/AGREEMENT NO. N00178-15-D-8228		2. DELIVERY ORDER/CALL NO. N6449818F3003		3. DATE OF ORDER/CALL (YYYYMMDD) 2020JUL24	4. REQUISITION/PURCH REQUEST NO. [REDACTED]
6. ISSUED BY NAVAL SURFACE WARFARE CENTER PHILA NSWCPD Philadelphia, PA 19112-1403		CODE N64498	7. ADMINISTERED BY (If other than 6) DCMA PHILADELPHIA 700 ROBBINS AVENUE, BLDG. 4-A, P.O. BOX 11427 PHILADELPHIA, PA 19111-0427		CODE S3915A
9. CONTRACTOR NAME AND ADDRESS Green Expert Technology Inc. 30 Washington Avenue, Suite A-2 Haddonfield, NJ 08033		CODE 6J8P0	FACILITY 969536932	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	8. DELIVERY FOB <input type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
				12. DISCOUNT TERMS Net 30 Days WAWF	11. X IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
14. SHIP TO SEE SECTION F		CODE	15. PAYMENT WILL BE MADE BY DFAS Columbus Center, North Entitlement Operations P.O. Box 182266 Columbus, OH 43218-2266		CODE HQ0337
					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 _____ furnish the following on terms specified herein.			
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.					
Green Expert Technology Inc.		[REDACTED]		[REDACTED]	
NAME OF CONTRACTOR		SIGNATURE		TYPED NAME AND TITLE	
<input type="checkbox"/>		If this box is marked, supplier must sign Acceptance and return the following number of copies:		DATE SIGNED (YYYYMMDD)	
17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE SEE SCHEDULE					
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/SERVICES			20. QUANTITY ORDERED/ACCEPTED*	21. UNIT
	SEE SCHEDULE				
*If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.		24. UNITED STATES OF AMERICA BY: [REDACTED]			25. TOTAL [REDACTED]
					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. <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	29. D.O. VOUCHER NO.	30. INITIALS
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS	31. PAYMENT <input type="checkbox"/> COMPLETE <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.					34. CHECK NUMBER
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				35. BILL OF LADING NO.
37. RECEIVED AT	38. RECEIVED BY (Print)	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NUMBER	42. S/R VOUCHER NO.

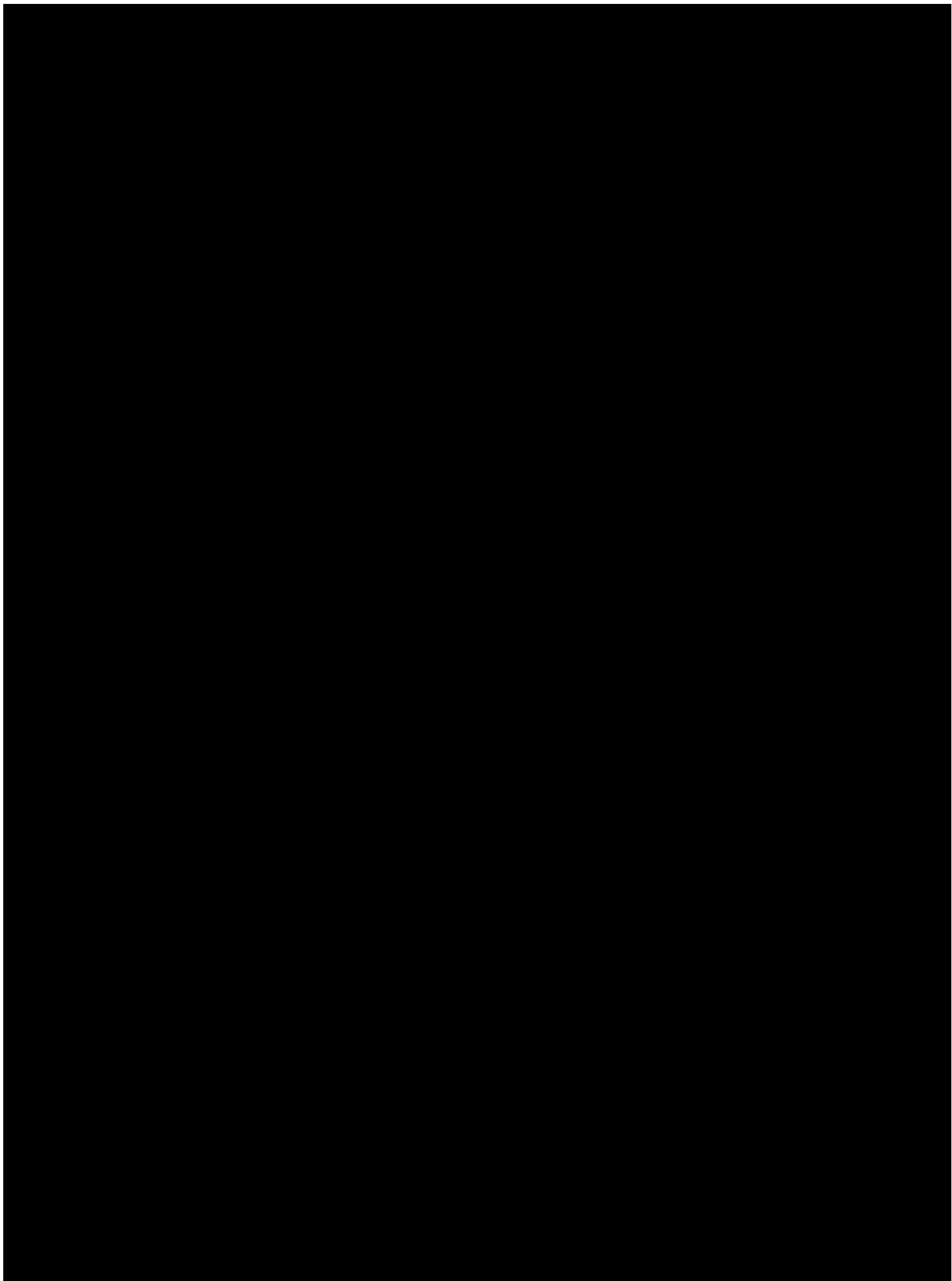
Section B - Supplies and Services

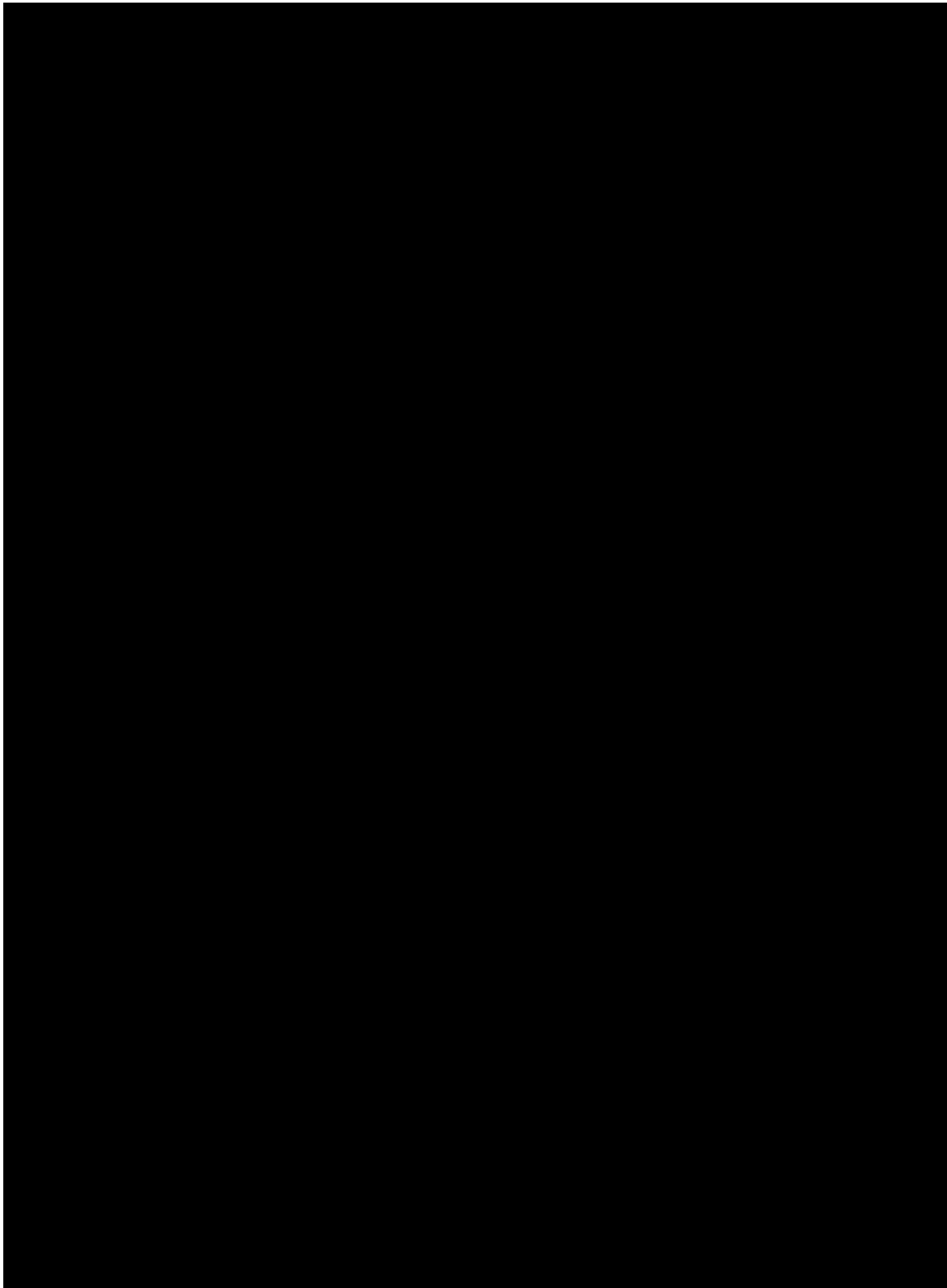
CLIN - SUPPLIES OR SERVICES

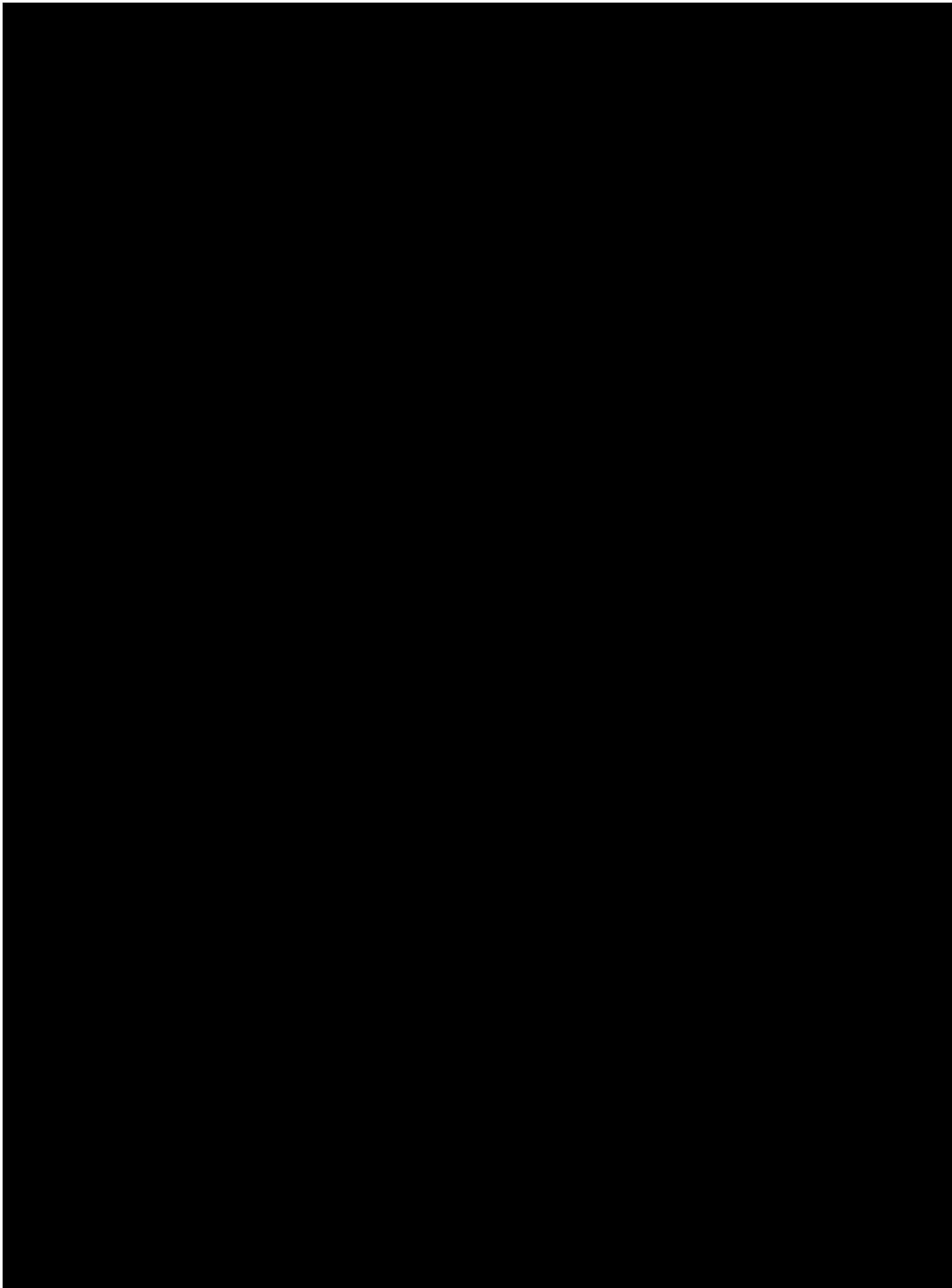


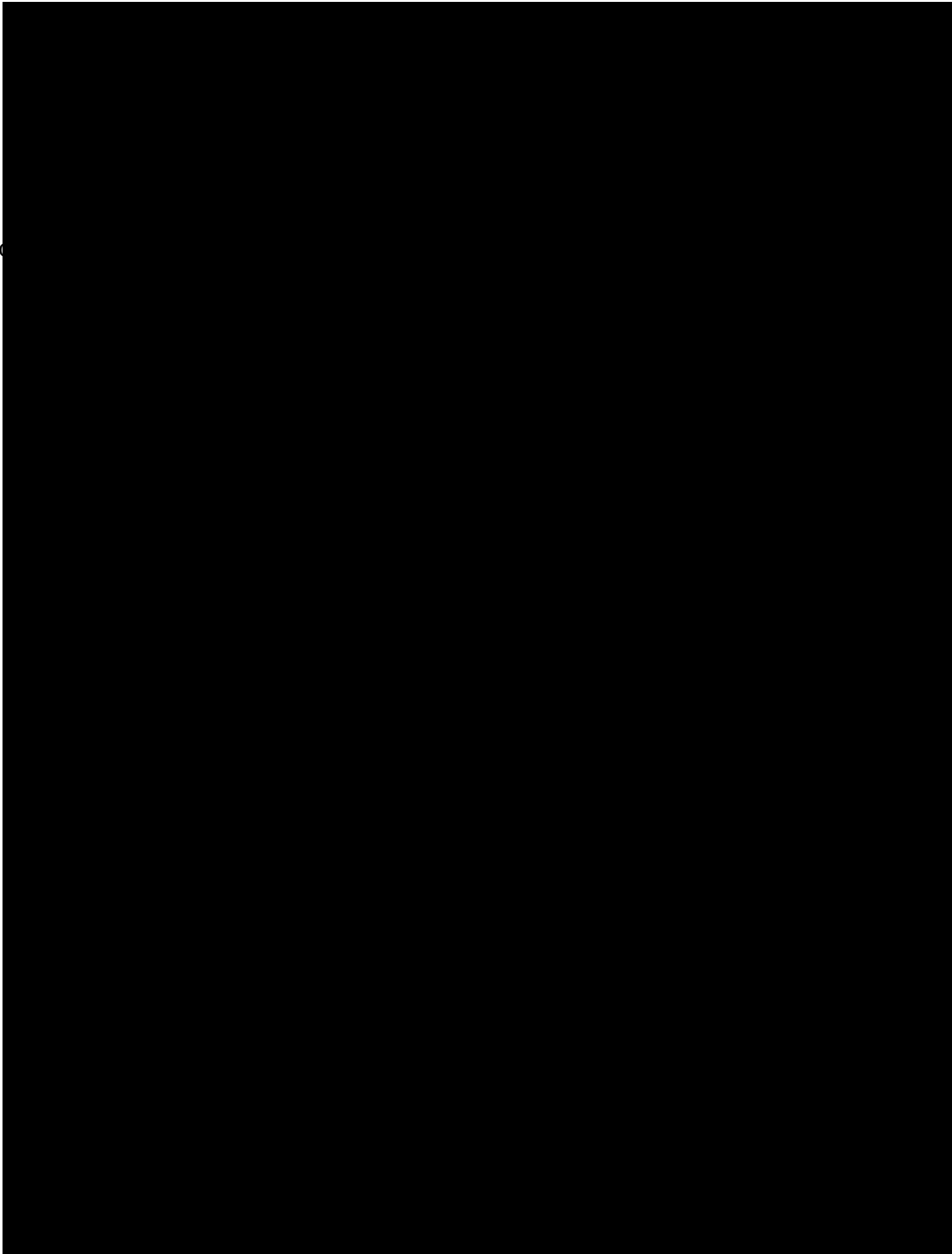


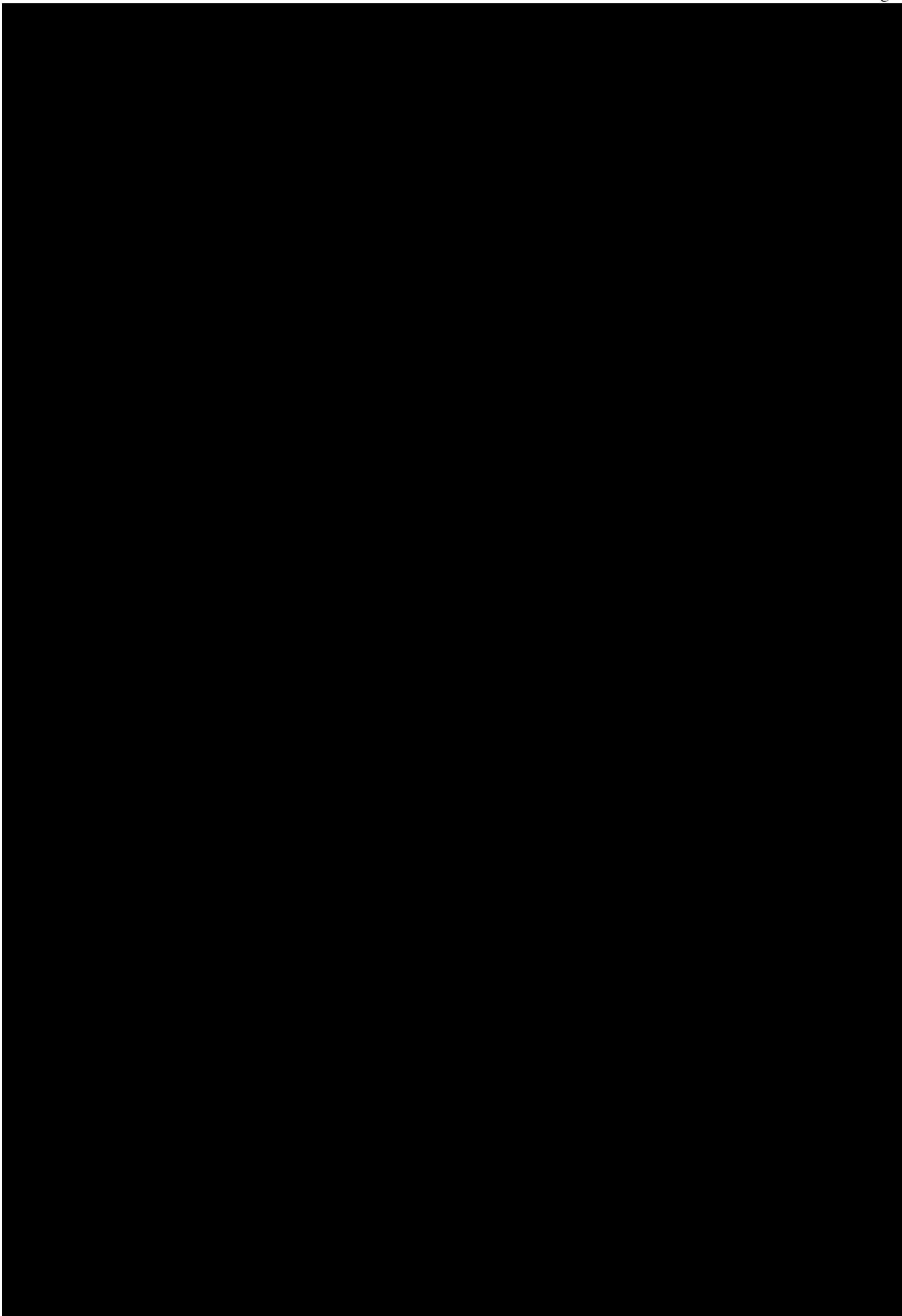


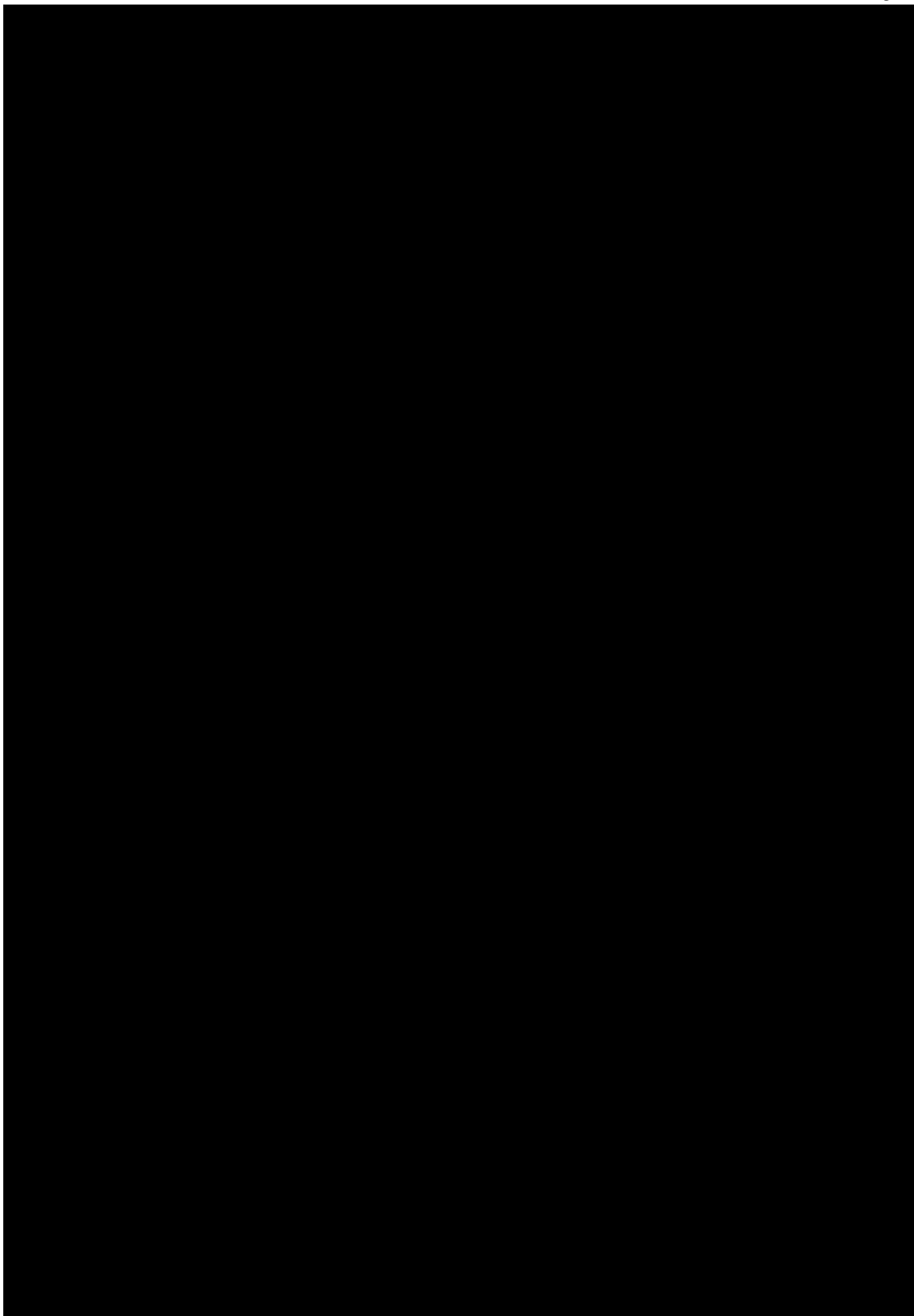


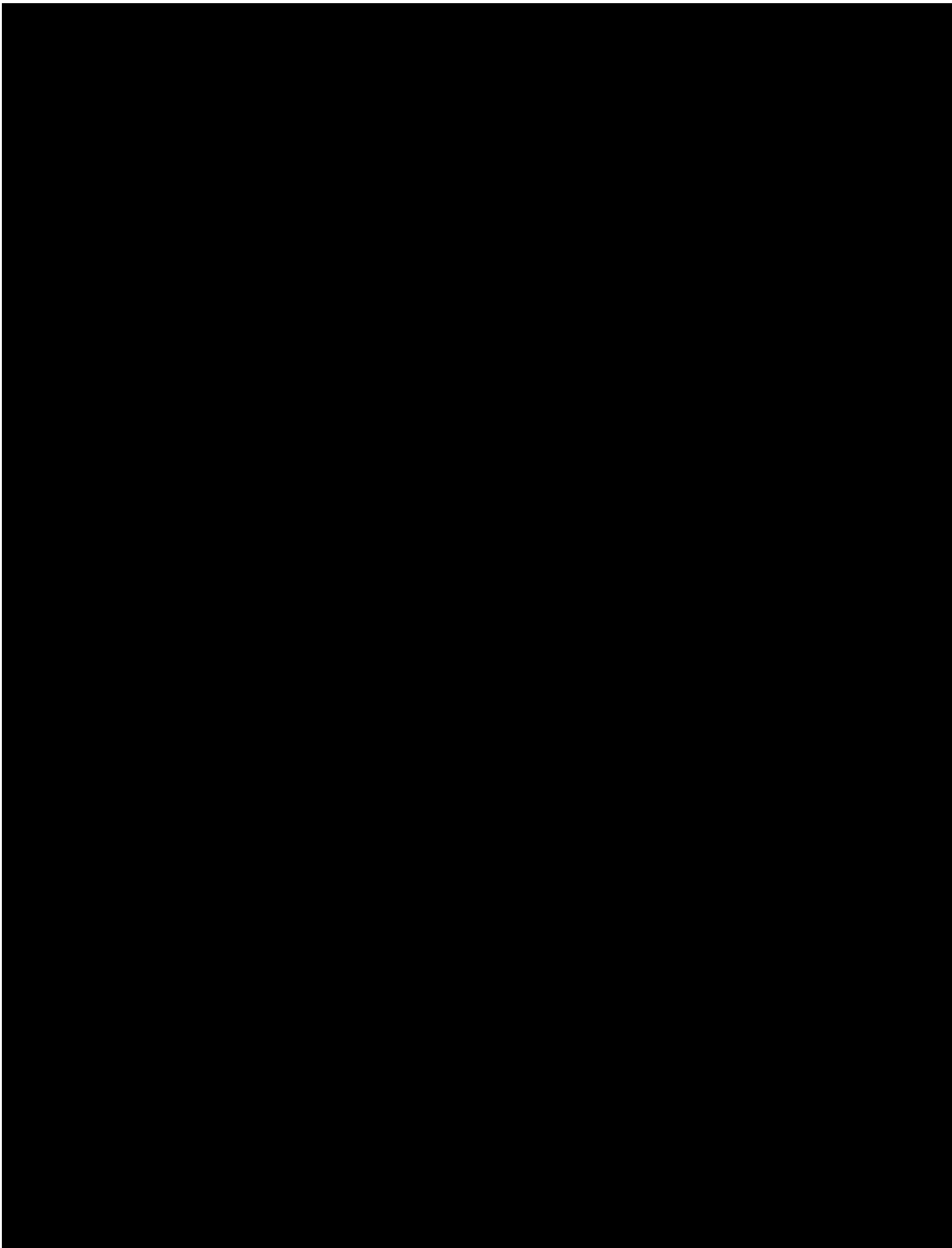


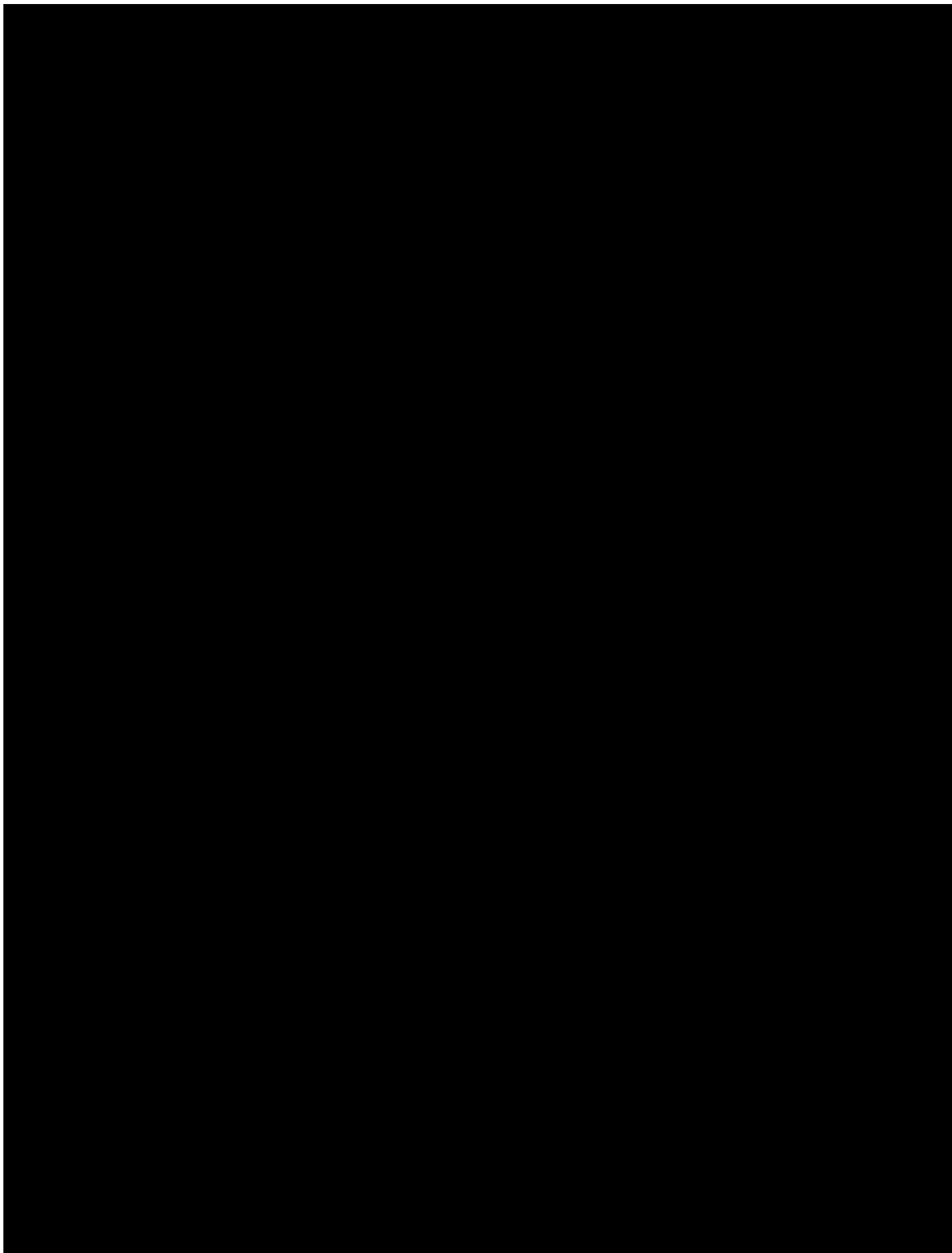












Level of Effort (LOE):

(a) The total level of effort required under the proposed task order is estimated to be 167,184 hours of direct labor over a five-year period. Direct hours do not include holiday, sick leave, vacation and other absence hours.

(b) It is estimated that the following number and mix of labor hours will be required:

eCraft Title	Level	eCraft Code	Base Year Hours (Reg/OT)	Option Year 1 Hours (Reg/OT)	Option Year 2 Hours (Reg/OT)	Option Year 3 Hours (Reg/OT)	Option Year 4 Hours (Reg/OT)	Resumes Required	Total Hours
MANAGER, PROGRAM/PROJECT I*	I	MANP1	480/ 48	480/ 48	480/ 48	480/ 48	480/ 48	1	2,640
ENGINEER, SYSTEMS I*	I	ESY1	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	1	10,560
ENGINEER, SYSTEMS II*	II	ESY2	1,920/192	3,840/ 384	3,840/ 384	1,920/ 192	3,840/ 384	2	16,896
ENGINEER II*	II	E2	1,920/192	3,840/ 384	3,840/ 384	3,840/ 384	3,840/ 384	1	19,008
ENGINEER, COMPUTER II*	II	EC2	1,920/192	3,840/ 384	3,840/ 384	1,920/192	3,840/ 384	2	16,896
ENGINEER I	I	E1	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	0	10,560
ENGINEER, COMPUTER III	III	EC3	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	3,840/ 192	0	12,480
ENGINEER III	III	E3	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	0	10,560
ENGINEER, COMPUTER I	I	EC1	1,920/192	3,840/ 384	3,840/ 384	3,840/ 384	3,840/ 384	0	19,008
COMPUTER, PROGRAMMER IV	IV	14074	1,920/192	3,840/ 384	3,840/ 384	1,920/192	3,840/ 384	0	16,896
ANALYST, COMPUTER SYSTEMS II	II	14102	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	0	10,560
TECHNICIAN, ENGINEERING VI	VI	30086	1,920/192	1,920/ 192	1,920/ 192	1,920/192	1,920/ 192	0	10,560
ELECTRICIAN, MAINTENANCE III	III	23183	1,920/192	1,920/ 192	1,920/ 192	1,920/192	1,920/ 192	0	10,560
ADMINISTRATIVE ASSISTANT	I	01020	200/0	200/0	200/0	200/0	200/0	0	1000/0
Total			26,072	36,632	36,632	30,296	38,552		168,184

*Key Labor Category

(c) The estimated allocation of the total labor effort required among the labor categories reflected in paragraph (b) above should be regarded as estimates only. Accordingly, in the performance of the task order, the contractor will be allowed to adjust the allocation of labor hours among the various labor categories as required to accomplish the technical objectives of the task order, provided that such adjustment does not cause the ceiling dollar amount for the

task order to be exceeded.

SUPPORT COSTS

SUPPORT COSTS INCLUDING MATERIAL AND TRAVEL AND OTHER DIRECT SUPPORT COSTS, IF ANY, WILL BE REIMBURSED ON THE BASIS OF ACTUAL REASONABLE AND ALLOWABLE COSTS INCURRED PLUS G&A AND/OR MATERIAL HANDLING. **THESE COSTS ARE NOT SUBJECT TO FEE.**

PAYMENT OF FEE

(a) The Government shall make payments to the Contractor subject to and in accordance with the clause contained in the base IDIQ entitled "Fixed Fee" (FAR 52.216-8). Such payments shall be equal to the allowable cost of each invoice submitted by and payable to the Contractor pursuant to the clause of the base IDIQ entitled "ALLOWABLE COST AND PAYMENT" (FAR 52.216-7). Total fees paid to the Contractor for performance of work under this Task Order shall not exceed the fee amount set forth in the Task Order.

(b) In the event of discontinuance of the work under this Task Order in accordance with the clause of the base IDIQ contract entitled "LIMITATION OF COSTS" (FAR 52.232-20), as applicable, the fee shall be equitably adjusted by mutual agreement to reflect the diminution of work. If the adjusted fee is less than the sum of all fee payments made to the Contractor under this Task Order, the Contractor shall repay the excess amount to the Government. If the adjusted fee exceeds all payments made to the Contractor under this Task Order, the Government shall be required to pay the Contractor any amount in excess of the funds obligated under this Task Order at the time of the discontinuance of work.

HQ B-2-0004 - EXPEDITING CONTRACT CLOSEOUT (NAVSEA) (DEC 1995)

(a) As part of the negotiated fixed price or total estimated amount of this contract, both the Government and the Contractor have agreed to waive any entitlement that otherwise might accrue to either party in any residual dollar amount of \$500 or less at the time of final contract closeout. The term "residual dollar amount" shall include all money that would otherwise be owed to either party at the end of the contract, except that, amounts connected in any way with taxation, allegations of fraud and/or antitrust violations shall be excluded. For purposes of determining residual dollar amounts, offsets of money owed by one party against money that would otherwise be paid by that party may be considered to the extent permitted by law.

(b) This agreement to waive entitlement to residual dollar amounts has been considered by both parties. It is agreed that the administrative costs for either party associated with collecting such small dollar amounts could exceed the amount to be recovered.

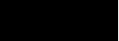
HQ B-2-0007 LIMITATION OF COST OR LIMITATION OF FUNDS LANGUAGE

The clause entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF FUNDS" (FAR 52.232-22), as appropriate, shall apply separately and independently to each separately identified estimated cost.

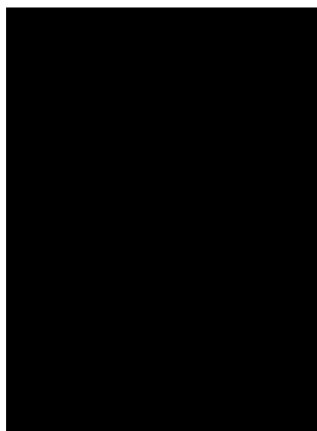
HQ B-2-0015 PAYMENTS OF FEE(S) (LEVEL OF EFFORT - ALTERNATE 1) (NAVSEA) (MAY 2010)

(a) For purposes of this contract, "fee" means "target fee" in cost-plus-incentive-fee type contracts, "base fee" in cost-plus-award-fee type contracts, or "fixed fee" in cost-plus-fixed-fee type contracts for level of effort type contracts.

(b) The Government shall make payments to the Contractor, subject to and in accordance with the clause in this contract entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE", (FAR 52.216-10), as applicable. Such payments shall be submitted by and payable to the Contractor pursuant to the clause of this contract entitled "ALLOWABLE COST AND PAYMENT" (FAR 52.216-7), subject to the withholding terms and conditions of the "FIXED FEE" or "INCENTIVE FEE" clause, as applicable, and shall be paid at the hourly rate(s) specified above per man-hour performed and invoiced. Total fee(s) paid to the Contractor shall not exceed the fee amount(s) set forth in this contract. In no event shall the Government be required to pay the Contractor any amount in excess of the funds obligated under this contract.

The negotiated pass through rate established in this Task Order is 

The hourly fixed fee rate established in this Task Order in accordance with HQ B-2-0015 Payment of Fee(s) (Level of Effort - Alternate I) (NAVSEA) (MAY 2010) is:



HQ B-2-0020 TRAVEL COSTS - ALTERNATE I (NAVSEA) (APR 2015)

(a) Except as otherwise provided herein, the Contractor shall be reimbursed for its actual travel costs in accordance with FAR 31.205-46. The costs to be reimbursed shall be those costs determined to be allowable, allocable and reasonable by the Procuring Contracting Officer, Administrative Contracting Officer or their duly authorized representative, as advised by DCAA.

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

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

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

(i) travel at U.S. Military Installations where Government transportation is available,

(ii) travel performed for personal convenience/errands, including commuting to and from work, and

(iii) travel costs incurred in the replacement of personnel when such replacement is accomplished for the Contractor's or employee's convenience.

(End of Text)

HQ B-2-0021 CONTRACT SUMMARY FOR PAYMENT OFFICE (COSTTYPE) (FEB 1997)

This entire contract is cost type.

Section C - Description/Specifications/Statement of Work

Statement of Work (SOW)

for

Division 51, Branch 512 HM&E Control Systems Support

1. INTRODUCTION

1.1 The Naval Surface Warfare Center Philadelphia Division (NSWCPD) is a Department of Defense entity responsible for research and development, test and evaluation, engineering and fleet support organization for the Navy's ships, submarines, military watercraft and unmanned vehicles. This requirement is for NSWCPD Department 50, which currently supports Machinery Control Systems on LCS-1&2, SSC,& INLS Classes of Navy surface ships.

1.2 This contract is for non-personal services and incidental services. It does not create employment rights with the U.S. Government whether actual, inherent, or implied. By agreeing to perform the services described in these specifications, the Contractor acknowledges that he/she is not, and shall not become, an employee of the U.S. Government. The Contractor further agrees that he/she shall not bring any cause of action in any forum claiming that he/she has become an employee of the U.S. Government.

1.3 The Contractor shall, pursuant to the Government's right and obligation to inspect, accept, or reject the work, comply with such general direction of the Contracting Officer, or the duly authorized representative of the Contracting Officer as is necessary to ensure accomplishment of the contract objectives.

2. SCOPE OF WORK

2.1 Purpose: Naval surface ships require life-cycle and in-service engineering support. This effort is to help ensure readiness and safety criteria are met. The work to be performed includes all activities associated with various Control Systems, computer program development, Risk Management Framework (RMF) Support, Cybersecurity, testing, equipment harvesting and installation on both in-service and new-ship-construction. Tasks include performing systems engineering analysis in order to interface control systems with other new or modified shipboard systems; troubleshooting control system hardware issues at the Land Based Engineering Site/Test Facilities in Philadelphia, PA as well as sustainment and fleet

modernization efforts around the world; upgrading the cyber security features of the existing and future control system variants; supporting the RMF process; addressing obsolete hardware with the most cost effective solutions possible.

2.2 Background: The Cybersecure Hull, Mechanical, & Electrical (HM&E) Control Systems & Networks Department (NSWCPD Department 50) supports US Navy HM&E Controls, Navigation, Casualty Control, Conditioned-Based Maintenance, and Network Systems on all US Navy Surface Combatant, Amphibious, and Aircraft Carrier ships. NSWCPD Division 51 supports the development, modernization, acquisition and life cycle maintenance of Control Systems across all ship platforms.

3. REQUIREMENTS

3.1 Control System Computer Program Development: To ensure the readiness and safety of LCS, SSC, & INLS Class Navy Surface ships, NSWCPD is responsible for the software development and lifecycle support of the control system computer programs, both shipboard and at the Land Based Engineering Site (LBES). In support of this mission, the Contractor shall:

3.1.1 Provide software lifecycle support following the NSWCPD System Engineering Process (SEP) with applicable Capability Maturity Model Integrated (CMMI) and Institute of Electrical and Electronics Engineers (IEEE) standards and specifications.

3.1.2 Develop new and modified control system computer programs from software requirements. Provide input to a software team to develop requirements and desired functionality of the control system

3.1.3 Develop and/or modify computer code in the following languages: C/C++, C#, Java, Visual basic, and MATLAB, as well as other related high level programming languages in the following environments: Visual Studio and .NET Framework.

3.1.4 Develop and/or modify Graphical User Interfaces (GUI) using applicable development tools. The GUIs are used for the MCS displays and control panels for Navy HM&E systems..

3.1.5 Develop databases such as MS Access and SQL for engineering project tasks including SPIR data, trial card tracking and fleet support tracking.

3.1.6 Develop software for embedded ship machinery control systems.

3.1.7 Use networked and IP-based systems and knowledge of network protocols including TCP/IP (Transmission Control Protocol/Internet Protocol) and UDP (User datagram Protocol) for land based test site maintenance and sustainment.

3.1.8 Develop and/or upgrade machinery plant simulations in order to enhance control system embedded trainer simulation system.

3.1.9 Develop software unit tests in order to demonstrate that the modified computer programs satisfy the requirements.

3.1.10 Develop software change packages and artifacts and present at peer reviews for ship machinery control system software deliveries.

3.1.11 Use software issue reporting databases such as MS Access and JIRA.

3.2 Control Systems Testing and Integration Engineering Services. The Contractor shall:

- 3.2.1** Develop, plan, schedule, and execute test plans and test procedures for control system computer programs and hardware.
- 3.2.2** Document issues, faults, or deficiencies found during software and hardware testing. Troubleshoot issues, identify root cause and provide solutions to enable testing to continue.
- 3.2.3** Provide remote troubleshooting assistance to onsite control system representatives that are supporting ship light off and installation activities.
- 3.2.4** Perform configuration management of control system software and documentation in accordance with the approved SEP configuration management plan using software version control tools.
- 3.2.5** Provide hardware administration, maintenance, and disaster recovery support.
- 3.2.6** Provide Information Assurance (IA) support services to facilitate ongoing accreditation efforts.
- 3.2.7** Maintain technical software development technical capability to contribute to new software development efforts as technology and technical system complexity evolves.
- 3.2.8** Develop software and hardware installation plans with input from Fleet, Type Commanders, Functional and Platform Program Managers, Planning Yards, Ship Manager Representatives (SMRs), and external supporting commands and technical authorities.
- 3.2.9** Develop, maintain and configuration manage software and hardware installation procedures, instructions, notices and Standard Operating Procedures.
- 3.2.10** Develop Ship Change Documents (SCD) packages for control system deliveries.
- 3.2.11** Develop Engineering Change Proposal (ECP) packages for control systems.
- 3.2.12** Provide engineering services that include development and maintenance in support of hardware and software technical documentation and requirements.
- 3.2.13** Provide engineering services that include development and maintenance in support of hardware shipboard installation technical data packages (TDPs).
- 3.3 LBES/Test Facility Equipment Integration Support:** The LCS 1 & 2 Class Ship LBES/TF (Land Based System) are used for testing and risk mitigation. In support of this mission, the Contractor shall:
- 3.3.1** Develop software programs for use in test tools and facility infrastructure utilizing Programmable Logic Controller (PLC) ladder logic code, Python, C#, and LabView as well as other related high level programming languages.
- 3.3.2** Modify existing test tool/facility infrastructure tools to implement enhanced capability based on requirements.
- 3.3.3** Troubleshoot in-house systems to identify root cause of problems that are found during software development and testing.
- 3.3.4** Develop equipment integration designs for networking, supervisory control systems, simulators/stimulators, and other test tools/systems developed in-house.
- 3.3.5** Develop/modify drawings, documentation, plans and procedures for equipment integration and site upgrades.

3.4 Control System Integration with Other Ship Systems. CS currently is integrated with the following systems:

3.4.1 Electric Plant

3.4.2 Propulsion Plant

3.4.3 Data Multiplex System

3.4.4 Bridge and Navigation

3.4.5 Integrated Condition Assessment System (ICAS)

3.4.6 Fuel Control System (FCS)

3.4.7 Damage Control System (DCS)

3.4.8 Shipboard Networks

3.4.9 The contractor shall support integration efforts as follows:

3.4.9.1 Improving existing communication interfaces or develop new interfaces between control systems and new or modified ship systems.

3.4.10 Development technical documentation as it relates to CS or CS interfaces (e.g. Interface Design Documents, user manuals, training manuals, maintenance guides).

3.4.11 Review technical information on new ship systems and document impacts to CS/IS.

3.4.12 Design human/machine (i.e. GUI's – primarily in Altia, C++.NET, Wonderware) and machine/machine interfaces to support the integration of new ship systems.

3.4.13 Design and implement test tools (e.g. Sim/Stim, Emulators, Message Pumps) to support software development and integration testing of new ship systems with CS.

3.4.14 Provide remote and on-site troubleshooting and root cause analysis support for other ship systems interfaced to CS.

3.4.15 Design, implement, debug and test technical solutions in software (primarily C/C++, C++.net, C# and Java) to support the integration of new ship systems with CS.

3.4.16 Configure and test software updates on LBTF/TS in preparation for ship deliveries.

3.4.17 Maintain configuration control of documentation and software updates from vendors and other technical departments and provide analysis of any potential impacts that updates would have on CS.

3.5 Shipboard Troubleshooting, Test, and Installation

3.5.1 Perform shipboard software loads on Microsoft/Linux computers and processors, VxWorks processors, PLC processors and cards, and circuit level firmware.

3.5.2 Repair various shipboard hardware and electronic equipment, such as: cable harness wiring, cable harness routing, terminal box wiring, connector pinouts, wire splicing, equipment rack-in and rack-out, cable terminations.

3.5.3 Perform troubleshooting on various electronic equipment such as computer hardware, computer operating systems, computer peripherals, various electronic sensors, terminal box wiring, cable wiring, electronic circuits, contact closure devices,

and mechanical/electronic switches.

3.5.4 Provide shipboard installation, troubleshooting, and test assessment plans, routine status, metrics, and final trip reports.

3.5.5 Provide support for facilitating, preparing and tracking the shipment of items to and from the waterfront.

3.5.6 Assistance with identifying drawing discrepancies, configuration issues, equipment deficiencies, and special or operational interference.

3.5.7 Troubleshoot Hull Mechanical & Electrical (HM&E) equipment to determine impact upon control system software development and maintenance.

3.5.8 Develop and maintain software and equipment installation, equipment checkout, system troubleshooting and system assessment work products. The work products shall include the following: operational and endurance parameters, testing procedures, test plans, maintenance procedures, installation procedures, operational procedures, equipment installation drawings, equipment installation requirements, equipment removal packages, troubleshooting plans, troubleshooting guides, and pass/fail criteria.

3.5.9 Provide technical and engineering support during shipboard troubleshooting of control system problems.

3.5.10 Provide installation support for various cable types, connector types, transmitters, sensors, computer systems, wiring harnesses, wiring terminal boxes, and Human Machinery Interfaces (HMI).

3.5.11 Develop and present technical presentations and information to various entities such as peers, shipboard installation managers, ship's force representatives, and program sponsors.

3.5.12 Develop and maintain tracking sheets for various types of work products, including test equipment tracking, purchase order tracking, test procedure tracking, failed asset tracking, and equipment calibration tracking.

3.5.13 Provide shipboard operator and maintenance training of the control system.

3.5.14 Conduct control system test procedures during shipboard test evolutions.

3.5.15 Support work outside normal duty hours, as required, in order to accomplish tasking listed throughout this section.

3.5.16 Implement and track test failures and issues in the System Problem/Improvement Report (SPIR) database.

3.5.17 Provide administrative support for contracted employees who are travelling to remote locations. This includes submitting any access requests, Joint Personnel Adjudication System (JPAS) requests, country clearance requests, and other paperwork required for travel to the specific location.

3.6 Integrated Logistics Support (ILS) : The contractor shall:

3.6.1 Evaluate technical documentation and provide input to ensure that ILS documentation is updated.

3.6.2 Provide system red-lines, drawings, equipment schematics, and damage control placards.

3.6.3 Develop and generate inventory reports on OM&S (Operating Material and Supplies) inventory levels.

3.6.4 Provide support in accessing planning yard ILS repositories.

3.7 Material and Asset Support

- 3.7.1 Maintain inventory of incoming and outgoing material and assets.
- 3.7.2 Support shipping of material and assets required for supporting of tasks listed herein.
- 3.7.3 Provide support with fabricating and assembling material and assets required for supporting of tasks listed herein.
- 3.7.4 Provide support with staging (drawing material from inventory in accordance with designs) of material and assets required for supporting of tasks listed herein.

3.8 General Training Support

- 3.8.1 Assist with development of course materials, auditing on going courses and providing input into curriculum development.
- 3.8.2 Assist Government activities in classroom training and instruction.
- 3.8.3 Provide On-The-Job Training (OJT) for Ship's force and Regional Maintenance Center (RMC) personnel.

3.9 Surveys and Assessments

- 3.9.1 Provide QA inspections and installation tracking of components.
- 3.9.2 Conduct HM&E machinery and systems inspections and certifications when required and provide system reports (including deficiencies) to NSWCPD representative.
- 3.9.3 Perform system and equipment operability tests.

3.10 Obsolescence Support. The obsolescence program identifies systems that are at or near end of life and develops solutions for them. In order to support this mission, contractors shall perform the following:

3.10.1 Obsolescence Project Management

- 3.10.1.1 Support obsolescence projects from identification to solution.
- 3.10.1.2 Assist in managing the business and engineering obsolescence concerns of various stakeholders.
- 3.10.1.3 Develop technical plans and solutions for obsolescence problems. Update and maintain plan as project progresses.
- 3.10.1.4 Develop solutions to difficult problems with regard to balancing cost, need date, integration into existing systems, conflicting stakeholder desires, and other factors.
- 3.10.1.5 Develop time estimates and schedules for projects. Update and maintain schedule as project progresses.

3.10.1.6 Develop budget estimates for project material and manpower needs. Update and maintain budget as project progresses.

3.11 Cybersecurity and Information Assurance (IA). The contractor shall provide the following services:

3.11.1 Provide technical services in support of delivering cyber-secure systems and solutions including the development and submittal of Risk Management Framework (RMF) risk assessments, implementation of DoD secure system configuration and hardening, requirements identified in Defense Information Systems Agency (DISA) Security Technical Implementation Guides (STIGs) and Security Requirements Guides (SRGs), Assured Compliance Assessment Solution (ACAS) vulnerability assessments, anti-virus (AV) scanning, Standard Engineering Process (SEP) artifacts, and other supporting documentation required for certifying and maintaining afloat, RDT&E, and/or enterprise platforms.

3.11.2 Develop RMF Assess& Authorize (A&A) package documentation in accordance with DoD/NAVSEA directives, which includes the following components: Platform IT (PIT) Determination package documentation, System Categorization Form, Information System Continuous Monitoring Strategy (ISCM), Security Plan (SP), Step Concurrence forms, Plan of Actions and Milestones (POA&M), Security Assessment Plan (SAP), Security Assessment Report (SAR), Risk Assessment Report (RAR), Security Authorization Package, CYBERSAFE Certification, Package Endorsement Letters, and any additional administrative/technical resources required for submission.

3.11.3 Ensure RMF A&A package is submitted to the certification authority (CA) in sufficient time for review and operational cybersecurity risk recommendation to obtain Designated Accrediting Authority (DAA) authorization decision prior to operations or tests on a live network (i.e. LBES or shipboard).

3.11.4 The contractor shall develop, maintain, and execute all IA related tasks and duties in accordance with regulations to include the development and execution of DIACAP/RMF Program to Plan of Action and Milestone (POA&M) or Security Technical Implementation Guide (STIG).

3.11.5 In accordance with RMF, the contractor shall monitor and maintain the security posture of IT systems to include patching, implementing STIGs, analyzing network traffic, and applying new physical security measures.

3.11.6 Develop and/or test new and existing security features to be implemented into the control system operating environment and/or software.

3.12 Logistics Specialist Support – Logistics Specialists shall:

3.12.1 Perform Test Plans.

3.12.2 Prepare Test Reports.

3.12.3 Perform Data Collection and Statistical Analyses.

3.12.4 Interpret Command and Department Guidance.

3.12.5 Perform financial analysis and track man-hours/time related data.

3.12.6 Enter shipping requests into Navy ERP (Enterprise Resource Planning).

3.13 Configuration Management Support – The contractor shall provide the following services:

3.13.1 In accordance with locally established Quality Assurance (QA) configuration control practices, the contractor will implement and maintain proper configuration management of equipment, software, and documentation using processes compliant with Capability Maturity Model Integration (CMMI) Level 3.

3.13.2 The contractor shall implement configuration version control practices and processes (checkout/checkin, version number control, system/software baselines, merge, build, testing, and release) to software, hardware, requirements, firmware, images, technical manuals, test procedures, and support documentation.

3.13.3 The contractor shall provide configuration version control using locally established forms, templates, databases, and applications (GIT, Telelogic DOORS, , Sharepoint, Excel, Word, Access, and Project).

3.14 Condition Based Maintenance Support

3.14.1 Provide metric information for the purposes of improvement and enhancement of performance and maintenance efforts.

3.14.2 CBM+ (Condition-Based Maintenance Support)

3.14.3 Provide engineering and technical services in support of the Navy's CBM+ initiative including computer-based system development, configuration, installation (shipboard and shoreside), operation, support, testing, planning, documentation, and training.

3.14.4 Provide engineering services for the development and/or refinement of data analysis techniques, including monitoring, diagnostics, prognostics, data mining, and modeling.

3.14.5 Provide Information Assurance (IA) services for shipboard and shoreside data systems

3.14.6 Provide software and hardware engineering and technical services for CBM+ systems

3.14.7 Provide Program Management support including CDS development and EKB entry and logistics, quality assurance, and planning

4. PLACE OF PERFORMANCE

The primary place of performance shall be at NSWCPD in Philadelphia. Travel may be required to the locations listed in Section 5.

5. TRAVEL

For estimating purposes, the following annual travel information is provided; estimates are for two people per trip. Destinations, duration, and number of trips are subject to change.

DESTINATION:	Number of Days/Trip	Total Number of Trips
Washington, DC	1	2
Norfolk, VA	5	10
San Diego, CA	7	10
Everett, WA	7	1

Yokosuka, Japan	14	5
Sasebo, Japan	5	3
Mayport, FL	5	3
Pascagoula, MS	5	3
Bath, ME	5	2
Honolulu, HI	5	2
Rota, Spain	5	2
Orlando, FL	5	1
Annapolis, MD	3	2
Leesburg, VA	5	2
New Orleans, LA	5	2
Milwaukee, WI	5	2
Cincinnati, OH	1	2

Additional travel locations may include, but are not limited to Coronado, CA; Portland, OR; Bremerton, WA; Seattle, WA; Chicago, IL; Great Lakes, IL; Peoria, IL; Lafayette, IN; Beloit, WI; Marinette, WI; Taunton, MA; Pittsfield, MA; Baltimore, MD; Millersville, MD; Newport, RI; Huntsville, AL; Mobile, AL; Fort Lauderdale, FL; Charlottesville, VA; Newport, VA; Pearl Harbor, HI; Tamuning, Guam; Guantanamo, Cuba; Panama City, Panama; Crete, Greece; Naples, Italy; Sigonella, Italy; Okinawa, Japan; Bahrain; Diego Garcia, British Indian Ocean Territory; Chinhae, Korea; Halifax, NS; Balbo, Panama; and Singapore.

6. SECURITY REQUIREMENTS

6.1 An Active SECRET facility clearance is required for performance on this contract. All personnel must have a current SECRET or higher clearance, or the ability to obtain one.

6.2 The Contractor is responsible for completing all required Government-mandated training to maintain security and network access to government-sites and IT systems.

6.3 The contract company shall ensure each employee has completed the 10 hour OSHA Maritime Shipyard Employment Course #7615. The contract company shall ensure that each employee maintains a current Course #7615 certification based on the course's certification expiration period and the requirement for retraining and recertification. REF: NAVSEA SI 009-74

7. DATA REQUIREMENTS

All CDRLs shall be delivered electronically, unless otherwise stated. Approval of contractor format is required from the COR.

7.1 Contracting Officer's Management Report (CDRL A001)

7.1.1 This report shall reflect both prime and subcontractor data if applicable at the same level of detail.

7.1.2 The CDRL shall be delivered electronically, unless otherwise stated. Approval of contractor format is required from the COR.

7.2 Travel Report (CDRL A002)

7.2.1 This report shall reflect both prime and subcontractor data if applicable at the same level of detail.

7.2.2 The CDRL shall be delivered electronically, unless otherwise stated. Approval of contractor format is required from the COR.

7.2.3 The Contractor may be required to travel in performance of this task order. The numbers of trips and types of personnel traveling shall be limited to the minimum required to accomplish work requirements and shall be coordinated with the COR. All travel shall be conducted in accordance with FAR 31.205-46 Travel Costs and the Federal Travel Regulations (FTR) and shall be pre-approved by the COR. The Contractor shall submit travel reports in accordance with DI-MGMT-81943 (CDRL A002).

7.3 Other Direct Costs Report (CDRL A003)

7.4 Contractor's Personnel Roster (CDRL A004)

8. PERSONNEL

8.1 Personnel Requirements. All persons proposed in key and non-key labor categories shall be U.S. citizens holding at least a current SECRET clearance, or ability to obtain one.

The level of effort for the performance of the resultant contract is based on the following labor categories and hours per year:

eCraft Title	Level	eCraft Code	Base Year Hours	Option Year 1 Hours	Option Year 2 Hours	Option Year 3 Hours	Option Year 4 Hours	Resu-mes Req.	Total Hours	Site
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			(Reg/ OT)	(Reg/ OT)	(Reg/ OT)	(Reg/ OT)	(Reg/ OT)			
MANAGER, PROGRAM/PROJECT I*	I	MANP1	480/ 48	480/ 48	480/ 48	480/ 48	480/ 48	1	2,640	Ktr
ENGINEER, SYSTEMS I*	I	ESY1	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	1	10,560	Gov
ENGINEER, SYSTEMS II*	II	ESY2	1,920/192	3,840/ 384	3,840/ 384	1,920/ 192	3,840/ 384	2	16,896	Gov
ENGINEER II*	II	E2	1,920/192	3,840/ 384	3,840/ 384	3,840/ 384	3,840/ 384	2	19,008	Gov
ENGINEER, COMPUTER II*	II	EC2	1,920/192	3,840/ 384	3,840/ 384	1,920/192	3,840/ 384	2	16,896	Gov
ENGINEER I	I	E1	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	0	10,560	Gov
ENGINEER, COMPUTER III	III	EC3	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	3,840/ 192	0	12,480	Gov
ENGINEER III	III	E3	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	0	10,560	Gov
ENGINEER, COMPUTER I	I	EC1	1,920/192	3,840/ 384	3,840/ 384	3,840/ 384	3,840/ 384	0	19,008	Gov
COMPUTER, PROGRAMMER IV	IV	14074	1,920/192	3,840/ 384	3,840/ 384	1,920/192	3,840/ 384	0	16,896	Gov
ANALYST, COMPUTER SYSTEMS II	II	14102	1,920/192	1,920/ 192	1,920/ 192	1,920/ 192	1,920/ 192	0	10,560	Gov
TECHNICIAN, ENGINEERING VI	VI	30086	1,920/192	1,920/ 192	1,920/ 192	1,920/192	1,920/ 192	0	10,560	Gov
ELECTRICIAN, MAINTENANCE III	III	23183	1,920/192	1,920/ 192	1,920/ 192	1,920/192	1,920/ 192	0	10,560	Gov
ADMINISTRATIVE ASSISTANT	I	01020	200/0	200/0	200/0	200/0	200/0	0	1000/0	Gov
Total			26,072	36,632	36,632	30,296	38,552		168,184	

*Denotes Key Personnel

8.1.1 Key Personnel

The following labor categories are designated as the Key Personnel for this contract. Additional non-key personnel may also be utilized in these labor categories as tasking requires. Resumes will be submitted for each category in the quantities indicated by the key category description. Target qualifications are listed below for each education and work experience qualifications for each key personnel labor category.

The Contractor shall provide individuals to fill the key positions identified below:

8.1.1.1 MANAGER, PROGRAM/PROJECT I (MANP1) (1 Resume required):

8.1.1.1.1 Minimum Education: Individual should possess a Bachelor's of Science Degree in Engineering or Computer Science from an accredited college or university. In lieu of the education requirement, individuals may have ten (10) years of relevant experience in the program management and program oversight of Control System/Information System or other technical equipment, systems or programs for the U.S. Navy.

8.1.1.1.2 Target Experience:

8.1.1.1.2.1 Five (5) years' experience.

8.1.1.1.2.2 The experience should include experience in a management capacity with responsibilities for major project or program level management of contractors/subordinates. Relevant experience in a management capacity with responsibilities for financial management, tracking and fiscal oversight of program funding is preferred. Working knowledge of the Naval Sea System Command, Naval Surface Warfare Center and Fleet organizations is desired.

8.1.1.2 ENGINEER, SYSTEMS I (ESY1) (1 Resume required):

8.1.1.2.1 Minimum Education: Bachelor of Science (BS) Degree in Mechanical Engineering or Electrical Engineering from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.1.2.2 Minimum Experience:

8.1.1.2.2.1 Three (3) years of professional experience within industry as a systems, electrical, and/or electronics engineer

8.1.1.2.2.2 One (1) year of professional experience troubleshooting hardware/software systems

8.1.1.2.2.3 One (1) year of professional experience reading electrical schematics

8.1.1.2.2.4 One (1) year of professional experience troubleshooting network based systems

8.1.1.3 ENGINEER II (E2) (2 Resumes required)::

8.1.1.3.1 Minimum Education: Bachelor of Science (BS) Degree in Mechanical Engineering or Electrical Engineering or Computer Engineering from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.1.3.2 Minimum Experience:

8.1.1.3.2.1 One (1) year of professional experience within industry as a systems, electrical, computer, and/or electronics engineer

8.1.1.3.2.2 One (1) year of professional experience coding in C++

8.1.1.3.2.3 One (1) year of professional experience coding in Java

8.1.1.3.2.4 One (1) year of professional experience reading electrical schematics

8.1.1.3.2.5 One (1) year of professional experience working with hardware/software systems

8.1.1.4 ENGINEER, SYSTEMS II (ESY2) (2 Resumes required):

8.1.1.4.1 Minimum Education: Bachelor of Science (BS) Degree in Mechanical Engineering or Electrical Engineering or Computer Engineering from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.1.4.2 Target Experience:

8.1.1.4.2.1 Five (5) years of professional experience within industry as a systems, electrical, and/or electronics engineer

8.1.1.4.2.2 Two (2) years of professional experience within industry acting as a lead engineer

8.1.1.4.2.3 Three (3) years of professional experience troubleshooting hardware/software systems

8.1.1.4.2.4 One (1) year of professional experience reading electrical schematics

8.1.1.4.2.5 One (1) year of professional experience troubleshooting network based systems

8.1.1.5 ENGINEER, COMPUTER II (EC2) (2 Resumes required):

8.1.1.5.1 Minimum Education: Bachelor of Science degree in Computer Science, Electrical Engineering, or Computer Engineering, or a Cyber Security related degree from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.1.5.2 Target Experience:

8.1.1.5.2.1 Four (4) years of professional experience in cyber security engineering

8.1.1.5.2.2 One (1) year of professional experience with IT infrastructure, networks, and/or network security

8.1.1.5.2.3 Security+ Certification

8.1.1.5.2.4 CISSP Certification

8.1.1.5.2.5 One (1) year of professional experience using vulnerability analysis tools

8.1.1.5.2.6 One (1) year of professional experience maintaining and configuring various operating systems such as Windows, Linux, VxWorks, or other Embedded Operating Systems

8.1.1.5.2.7 One (1) year of professional experience with cyber controls such as intrusion detection systems, intrusion prevention system, firewall configurations, and access control lists

8.1.1.5.2.8 One (1) year of professional experience developing and/or maintaining new and/or existing cyber security requirements

8.1.2 Non-Key Personnel

Although resumes for "Non-Key Personnel" are not required, offerors must fully demonstrate their ability to provide the non-key personnel listed below who meet the requirements that follow. The contractor shall certify in their proposal that they have these

non-key personnel and provide a statement as to their ability to supply the personnel with the experience required to perform the efforts specified in the performance work statement. The government reserves the right to request and review the qualifications of Non-key personnel. The contractor shall provide individuals to fill the non-key positions identified below:

8.1.2.1 ENGINEER I (E1):

8.1.2.1.1 Minimum Education: Bachelor of Science (BS) Degree in Mechanical Engineering or Electrical Engineering or Computer Engineering from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.2.1.2 Minimum Experience:

8.1.2.1.2.1 No required professional experience in engineering

8.1.2.1.3 Primary Tasks: May include but not limited to: 3.1.1; 3.1.2; 3.2.1; 3.3.1; 3.4.9.1

8.1.2.2 ENGINEER III (E3):

8.1.2.2.1 Minimum Education: Bachelor of Science (BS) Degree in Mechanical Engineering or Electrical Engineering or Computer Engineering from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.2.2.2 Target Experience:

8.1.2.2.2.1 Seven (7) years of professional experience within industry as a systems, electrical, computer and/or electronics engineer

8.1.2.2.2.2 Two (2) years of professional experience within industry acting as a lead engineer

8.1.2.2.2.3 Two (2) years of professional experience using LABVIEW for rapid prototype development

8.1.2.2.2.4 Two (2) years of professional experience in MATLAB, SIMULINK

8.1.2.2.2.5 One (1) year of professional experience developing custom circuit board designs (PCB's) for use in integrated systems

8.1.2.2.3 Primary Tasks: May include but not limited to: 3.1.1; 3.1.2; 3.2.1; 3.3.1; 3.4.9.1

8.1.2.3 ENGINEER, COMPUTER III (EC3) :

8.1.2.3.1 Minimum Education: Master's level degree in Computer Science, Electrical Engineering, or Computer Engineering from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.2.3.2 Target Experience:

8.1.2.3.2.1 -Seven (7) years of professional experience in software development in engineering and/or control systems

using C++

8.1.2.3.2.2 -Two (2) years of professional experience in software development using Microsoft .NET Framework

8.1.2.3.2.3 -Two (2) years of professional experience using Microsoft Visual Studio to develop, compile, and debug source code in C++/CLI, Managed C++, or C#

8.1.2.3.2.4 -One (1) year of professional experience as a technical and/or programming lead for a software project through the software life cycle, from requirements to design, implementation, deployment, and maintenance

8.1.2.3.2.5 -One (1) year of professional experience designing and/or analyzing software architectures

8.1.2.3.2.6 -One (1) year of professional experience writing, reviewing, and maintaining new or existing software requirements, technical documentation such as user manuals, product specifications, and training materials

Primary Tasks: May include but not limited to: 3.1.1; 3.1.2; 3.1.3, 3.1.4; 3.1.6; 3.1.7; 3.2.1; 3.2.3; 3.2.3; 3.3.1; 3.5.1

8.1.2.4 ENGINEER, COMPUTER I (EC1):

8.1.2.4.1 Minimum Education: Bachelor of Science degree in Computer Science, Electrical Engineering, or Computer Engineering from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.2.4.2 Minimum Experience:

8.1.2.4.2.1 -Two (2) years of professional experience in software development in engineering and/or control systems using C++

8.1.2.4.2.2 -One (1) year of professional experience in software development using the Microsoft .NET framework

8.1.2.4.2.3 -One (1) year of professional experience using Microsoft Visual Studio to develop, compile, and debug source code in C++/CLI, Managed C++, or C#

8.1.2.4.3 Primary Tasks: May include but not limited to: 3.1.1; 3.1.2; 3.1.3, 3.1.4; 3.1.6; 3.1.7; 3.2.1; 3.2.3; 3.2.3; 3.3.1; 3.5.1, 3.20

8.1.2.5 COMPUTER, PROGRAMMER IV (14074):

8.1.2.5.1 Minimum Education: Bachelor of Science degree in Computer Science, Electrical Engineering, or Computer Engineering or a Cyber Security related degree from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.2.5.2 Minimum Experience:

8.1.2.5.2.1 Three (3) years of professional experience in cyber security engineering

8.1.2.5.2.2 Security+ Certification or CISSP Certification

8.1.2.5.2.3 One (1) year of professional experience with vulnerability analysis tools

8.1.2.5.2.4 One (1) year of professional experience maintaining and configuring various operating systems such as

Windows, Linux, VxWorks, or other Embedded Operating Systems

8.1.2.5.3 Primary Tasks: May include but not limited to: 3.1.1; 3.1.2; 3.1.3, 3.1.4; 3.1.6; 3.1.7; 3.2.1; 3.2.3; 3.2.3; 3.3.1; 3.5.1, 3.20

8.1.2.6 ANALYST, COMPUTER SYSTEMS II (14102):

8.1.2.6.1 Minimum Education: Bachelor of Science degree in Computer Science, Electrical Engineering, or Computer Engineering or a Cyber Security related degree from an ABET (Accreditation Board for Engineering and Technology) accredited program.

8.1.2.6.2 Minimum Experience:

8.1.2.6.2.1 5 (5) years of professional experience in computer systems analysis

8.1.2.6.3 Primary Tasks: May include but not limited to: 3.11

8.1.2.7 TECHNICIAN, ENGINEERING VI:

8.1.2.7.1 Target Education: High School Diploma or Trade/Industrial School Diploma (or GED Equivalent) and/or related military experience

8.1.2.7.2 Target Experience:

8.1.2.7.2.1 Seven (7) years of professional experience as an Engineering Technician

8.1.2.7.2.2 Five (5) years of professional experience tracing signals and diagnosing or isolating cause for electrical failures

8.1.2.7.2.3 Five (5) years of professional experience reading, understanding, and interpreting electrical schematics

8.1.2.7.2.4 Five (5) years of professional experience generating write ups that detail testing performed, troubleshooting steps, and findings

8.1.2.7.2.5 Five (5) years of professional experience using a digital multimeter to conduct troubleshooting hardware systems

8.1.2.7.2.6 Two (2) years of professional experience within industry acting as a lead engineering technician

8.1.2.7.2.7 Two (2) years of professional experience manipulating computer peripheral settings for use in desired applications

8.1.2.7.2.8 Two (2) years of professional experience with personal computer file and directory structures

8.1.2.7.3 Primary Tasks: May include but not limited to: 3.2.3; 3.3.3; 3.2.13; 3.4.14; 3.5.1; 3.5.2; 3.5.3; 3.5.5; 3.5.7; 3.5.9

8.1.2.8 ELECTRICIAN, MAINTENANCE III (23183):

8.1.2.8.1 Minimum Education: Technical School Diploma or Trade/Industrial School Diploma (or GED Equivalent) and/or related military experience

8.1.2.8.2 Minimum Experience:

8.1.2.8.2.1 Two (2) years of professional experience as an Engineering Technician

8.1.2.8.2.2 One year of professional experience tracing signals and diagnosing or isolating cause for electrical failures

8.1.2.8.2.3 One (1) year of professional experience reading, understanding, and interpreting electrical schematics

8.1.2.8.2.4 One (1) year of professional experience generating write ups that detail testing performed, troubleshooting steps, and findings

8.1.2.8.2.5 One (1) year of professional experience using a digital multimeter to conduct troubleshooting hardware systems

8.1.2.8.2.6 One (1) year of professional experience using a personal computer to conduct troubleshooting and complete work product tasks

8.1.2.8.3 Primary Tasks: May include but not limited to: 3.2.3; 3.3.3; 3.2.13; 3.4.14; 3.5.1; 3.5.2; 3.5.3; 3.5.5; 3.5.7; 3.5.9

8.1.2.9 ADMINISTRATIVE ASSISTANT (01020)

8.1.2.9.1 Minimum Education: High School Diploma (or GED Equivalent)

8.1.2.9.2 Minimum Experience:

8.1.2.9.2.1 Five (5) years of professional experience with administrative support to executive staff with office management responsibilities to include budgeting, personal records, and payroll.

8.1.2.9.3 CSWF Requirements: Position matrix no applicable to this labor category.

8.2 Position Matrix

Contractor shall ensure that employees keep all required certifications current to meet Navy Information Assurance (IA) Workforce requirements. A table listing the Labor Categories and their associated IA Workforce Categories, along with the applicable tasking, is as follows:

eCraft Code	CSWF Specialty Code	CSWF Proficiency Level	CSWF Baseline Qualification	CSWF OS Qualification	Continuing Professional Education (CPE) Requirements	Primary Tasks
MANP1	N/A	N/A	N/A	N/A	N/A	3.5.17
E3	67	Advanced/Master	CISSP or CISM or GSLC or CASP, Graduate Degree from accredited University or CNSSI 4012-4016 Certificate or NDU	Windows or Linux	40 CPE's Annually	3.1.1; 3.2.;3.4.11

eCraft Code	CSWF Specialty Code	CSWF Proficiency Level	CSWF Baseline Qualification	CSWF OS Qualification	Continuing Professional Education (CPE) Requirements	Primary Tasks
			CIO certificate, NEC 2779			
ESY2	67	Intermediate / Journeyman	CCNA or CAP or Security + (CE) or Bachelor Degree from accredited University or CNSI 4012-4016 Certificate or NDU CISO certificate or NEC 2780 or 2779 or 2781	Windows or Linux	40 CPE's Annually	3.2.1; 3.2.2; 3.1.1; 3.1.2; 3.3.4; 3.4.9.1; 3.5.3
E2	67	Intermediate / Journeyman	CCNA or CAP or Security + (CE) or Bachelor Degree from accredited University or CNSI 4012-4016 Certificate or NDU CISO certificate or NEC 2780 or 2779 or 2781	Windows or Linux	40 CPE's Annually	3.1.1; 3.2.; 3.20
14074	46	Intermediate / Journeyman	CASP or CAP or Security Plus or SSCP, Program Management Professional (PgMP), Associate Degree from accredited University or CNSI 4011/4012 Certificate, NEC-2779 or 2780 or 2781, CYBR2400, NETW4001 SSC- 6201-6206 AQD- GA1-9	Windows or Linux	40 CPE's Annually	3.11, 3.20
23183	N/A	N/A	N/A	N/A	N/A	3.2.3; 3.3.3; 3.2.13; 3.4.14; 3.5.1; 3.5.2; 3.5.3; 3.5.5; 3.5.7; 3.5.9
EC2	62	Intermediate / Journeyman	Intermediate - CSSLP, Bachelor Degree from accredited University	Windows or Linux	40 CPE's Annually	3.1.1; 3.1.2; 3.1.3, 3.1.4; 3.1.6; 3.1.7; 3.2.1; 3.2.3; 3.2.3; 3.3.1; 3.5.1, 3.20
30086	N/A	N/A	N/A	N/A	N/A	3.2.3; 3.3.3; 3.2.13; 3.4.14; 3.5.1; 3.5.2; 3.5.3; 3.5.5; 3.5.7; 3.5.9

eCraft Code	CSWF Specialty Code	CSWF Proficiency Level	CSWF Baseline Qualification	CSWF OS Qualification	Continuing Professional Education (CPE) Requirements	Primary Tasks
EC1	62	Intermediate / Journeyman	CSSLP or ECSP, Bachelor Degree from accredited University	Windows or Linux	40 CPE's Annually	3.1.1; 3.1.2; 3.1.3, 3.1.4; 3.1.6; 3.1.7; 3.2.1; 3.2.3; 3.2.3; 3.3.1; 3.5.1, 3.20
E1	N/A	N/A	N/A	N/A	N/A	3.2.2; 3.2.3; 3.4.14; 3.5.4;
ESY1	N/A	N/A	N/A	N/A	N/A	3.1.1; 3.3.4; 3.5.3
EC3	62	Advanced/Master	Graduate Degree from accredited University or Certified Information Systems Security Professional (CISSP) or Certified Secure Software Lifecycle Professional (CSSLP)	Windows or Linux	40 CPE's Annually	3.1.1; 3.1.2; 3.1.3, 3.1.4; 3.1.6; 3.1.7; 3.2.1; 3.2.3; 3.2.3; 3.3.1; 3.5.1
14102	67	Intermediate / Journeyman	CCNA or CAP or Security + (CE) or Bachelor Degree from accredited University or CNSSI 4012-4016 Certificate or NDU CISO certificate or NEC 2780 or 2779 or 2781	Windows or Linux	40 CPE's Annually	3.1.1; 3.2.1; 3.3.1, 3.20

This is required as a condition of employment. Each labor category that applies should have this requirement added to the other requirements such as college degrees.

9. ENTERPRISE-WIDE CONTRACTING MANPOWER REPORTING APPLICATION (ECMRA)

9.1 The Contractor shall report contractor-labor-hours (including subcontractor-labor-hours) required for performance of services provided under this contract via a secure data collection site. Contracted services excluded from reporting are based on Product Service Codes (PSCs). The excluded PSCs are:

9.1.1 W, Lease/Rental of Equipment;

9.1.2 X, Lease/Rental of Facilities;

9.1.3 Y, Construction of Structures and Facilities;

9.1.4 S, Utilities ONLY;

9.1.5 V, Freight and Shipping ONLY.

9.2 The Contractor is required to completely fill in all required data fields using the following web address www.ecmra.mil.

9.3 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://doncmra.nmci.navy.mil>.

10. CONTRACTOR IDENTIFICATION

Contractor-employees shall identify themselves as contractor-personnel by introducing themselves or being introduced as contractor-personnel and displaying distinguishable badges or other visible identification for meetings with government-personnel. In addition, contractor-personnel shall appropriately identify themselves as contractor-employees in telephone conversations and in formal and informal written correspondence.

11. CONTRACTING OFFICER'S REPRESENTATIVE

The Contracting Officer's Representative (COR) for this contract is TBD

12. SPECIAL REQUIREMENTS

All persons in the following key and non-key labor categories shall be expected to arrive at the place of performance with equipment to be used at both the place of performance and while on travel: Electrical/Computer Engineer, Senior Systems Engineer, Systems Engineer, and Engineering Technician. The required equipment and corresponding part number for each of these key and non-key labor categories are as follows:

12.1 CONTRACTOR FURNISHED EQUIPMENT

12.1.1 Jensen Tools H1929JT Green Mechanic's Tool Bag (or equivalent)

12.1.2 Pomona E-12857-12 Regular 12" Lead Kit, 10/pk (or equivalent)

- 12.1.3 Rosewill RTK-002 Anti-Static Wrist Strap (or equivalent)
- 12.1.4 Wiha 26190 7-pc. Miniature Slotted/Phillips Screwdriver Set (or equivalent)
- 12.1.5 Bondhus BLX12 12-pc. Inch Ballpoint Hex Key Set (or equivalent)
- 12.1.6 Jensen Tools 6N1CG Cushion Grip 6-in-1 Screwdriver (or equivalent)
- 12.1.7 Leatherman 831429 SideKick Multi-Tool Leather Sheath (or equivalent)
- 12.1.8 Xcelite R3166 Regular Slotted, 3/16" Tip, 6" Blade, 9 1/2" Overall (or equivalent)
- 12.1.9 Fluke TLK289 Industrial Master Test Lead Set (or equivalent)
- 12.1.10 Individual 8" Adjustable Wrench (or equivalent)
- 12.1.11 Stanley-Proto 84-114 3-Piece Plier Set (or equivalent)
- 12.1.12 Triplet Analog Multimeter (or equivalent)
- 12.1.13 Fluke 117 Electrician's Multimeter (or equivalent)

HQ C-1-0001 ITEM(S) – DATA REQUIREMENTS (NAVSEA) (SEP 1992)

The data to be furnished here under shall be prepared in accordance with the Contract Data Requirements List (CDRL), DD Form 1423, Attachment___2___, attached hereto.

CDRL No.	Title	Data Item Description
A001	Contract Status Report	DI-MGMT-81991
A002	Travel/Trip Report	DI-MISC-81943
A003	Other Direct Costs (ODCs) Report	DI-FNCL-81866
A004	Contractor Personnel Roster	DI-MGMT-81834A
A005	Monthly Status Report	TBD

HQ C-2-0014 CONTRACTOR'S PROPOSAL (NAVSEA) (MAR 2001)

(a) Performance of this contract by the Contractor shall be conducted and performed in accordance with detailed obligations to which the Contractor committed itself in Proposal N64498-18-R-3009 dated 13 September 2018 in response to NAVSEA

Solicitation No. N64498-18-R-3009.

(b) The technical volume(s) of the Contractor's proposal is incorporated by reference and hereby made subject to the provisions of the "ORDER OF PRECEDENCE" (FAR 52.215-8) clause of this contract. Under the "ORDER OF PRECEDENCE" clause, the technical volume of the Contractor's proposal referenced herein is hereby designated as item (f) of the clause, following "the specification" in the order of precedence.

(End of Text)

HQ C-2-0031 INFORMATION AND DATA FURNISHED BY THE GOVERNMENT (COST TYPE) – ALTERNATE I (NAVSEA) (SEP 2009)

(a) Contract Specifications. The Government will furnish, if not included as an attachment to the contract, any unique contract specifications set forth in Section C.

(b) Contract Drawings and Data. The Government will furnish contract drawings, design agent drawings, ship construction drawings, and/or other design or alteration data cited or referenced in Section C or in the contract specification as mandatory for use or for contract guidance.

(c) Government Furnished Information (GFI). GFI is defined as that information essential for the installation, test, operation, and interface support of all Government Furnished Material enumerated on NAVSEA Form 4205/19 or Schedule A, as applicable, attached to the contract. The Government shall furnish only the GFI identified on the NAVSEA Form 4340/2 or Schedule C, as applicable, attached to the contract. The GFI furnished to the contractor need not be in any particular format. Further, the Government reserves the right to revise the listing of GFI on the NAVSEA Form 4340/2 or Schedule C, as applicable, as follows:

(1) The Contracting Officer may at any time by written order:

(i) delete, supersede, or revise, in whole or in part, data listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable; or

(ii) add items of data or information to NAVSEA Form 4340/2 or Schedule C, as applicable; or

(iii) establish or revise due dates for items of data or information in NAVSEA Form 4340/2 or Schedule C, as applicable.

(2) If any action taken by the Contracting Officer pursuant to subparagraph (1) immediately above causes an increase or decrease in the costs of, or the time required for, performance of any part of the work under this contract, the contractor may be entitled to an equitable adjustment in the contract amount and delivery schedule in accordance with the procedures provided for in the clause of this contract entitled "CHANGES--COST-REIMBURSEMENT" (FAR 52.243-2) or "CHANGES--TIME-AND-MATERIALS OR LABOR-HOURS" (FAR 52.243-3).

(d) Except for the Government information and data specified by paragraphs (a), (b), and (c) above, the Government will not be obligated to furnish the Contractor any specification, standard, drawing, technical documentation, or other publication, notwithstanding anything to the contrary in the contract specifications, the GFI listed on the NAVSEA Form 4340/2 or Schedule C, as applicable, the clause of this contract entitled "GOVERNMENT PROPERTY" (FAR 52.245-1) or "GOVERNMENT PROPERTY INSTALLATION OPERATION SERVICES " (FAR 52.245-2), as applicable, or any other term or condition of this contract.

(e) Referenced Documentation. The Government will not be obligated to furnish Government specifications and standards, including Navy standard and type drawings and other technical documentation, which are referenced directly or indirectly in the contract specifications set forth in Section C and which are applicable to this contract as specifications. Such referenced documentation may be obtained:

(1) From the ASSIST database via the internet at <http://assist.daps.dla.mil/>; or

(2) By submitting a request to the

Department of Defense Single Stock Point (DoDSSP)

Building 4, Section D

700 Robbins Avenue

Philadelphia, Pennsylvania 19111-5094

Telephone (215) 697-6396

Facsimile (215) 697-9398.

Commercial specifications and standards, which may be referenced in the contract specification or any sub-tier specification or standard, are not available from Government sources and should be obtained from the publishers.

(End of Text)

HQ C-2-0032 INFORMATION AND DATA FURNISHED BY THE GOVERNMENT - ALTERNATE II (NAVSEA)

(SEP 2009)

(a) NAVSEA Form 4340/2 or Schedule C, as applicable, Government Furnished Information, attached hereto, incorporates by listing or specific reference, all the data or information which the Government has provided or will provide to the Contractor except for

(1) The specifications set forth in Section C, and

(2) Government specifications, including drawings and other Government technical documentation which are referenced directly or indirectly in the specifications set forth in Section C and which are applicable to this contract as specifications, and which are generally available and provided to Contractors or prospective Contractors upon proper request, such as Federal or Military Specifications, and Standard Drawings, etc.

(b) Except for the specifications referred to in subparagraphs (a)(1) and (2) above, the Government will not be obligated to provide to the Contractor any specification, drawing, technical documentation or other publication which is not listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable, notwithstanding anything to the contrary in the specifications, the publications listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable, the clause entitled "GOVERNMENT PROPERTY" (FAR 52.245-1) or "GOVERNMENT PROPERTY INSTALLATION OPERATION SERVICES" (FAR 52.245-2), as applicable, or any other term or condition of this contract

(c)(1) The Contracting Officer may at any time by written order:

(i) delete, supersede, or revise, in whole or in part, data listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable; or

(ii) add items of data or information to NAVSEA Form 4340/2 or Schedule C, as applicable; or

(iii) establish or revise due dates for items of data or information in NAVSEA Form 4340/2 or Schedule C, as applicable.

(2) If any action taken by the Contracting Officer pursuant to subparagraph (c)(1) immediately above causes an increase or decrease in the costs of, or the time required for, performance of any part of the work under this contract, the contractor may be entitled to an equitable adjustment in the contract amount and delivery schedule in accordance with the procedures provided for in the "CHANGES" clause of this contract.

(End of Text)

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

- (a) "Organizational Conflict of Interest" means that because of other activities or relationships with other persons, a person is unable or potentially unable to render impartial assistance or advice to the Government, or the person's objectivity in performing the contract work is or might be otherwise impaired, or a person has an unfair competitive advantage. "Person" as used herein includes Corporations, Partnerships, Joint Ventures, and other business enterprises.
- (b) The Contractor warrants that to the best of its knowledge and belief, and except as otherwise set forth in the contract, the Contractor does not have any organizational conflict of interest(s) as defined in paragraph (a).
- (c) It is recognized that the effort to be performed by the Contractor under this contract may create a potential organizational conflict of interest on the instant contract or on a future acquisition. In order to avoid this potential conflict of interest, and at the same time to avoid prejudicing the best interest of the Government, the right of the Contractor to participate in future procurement of equipment and/or services that are the subject of any work under this contract shall be limited as described below in accordance with the requirements of FAR 9.5.
- (d) (1) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information provided to the Contractor by the Government during or as a result of performance of this contract. Such information includes, but is not limited to, information submitted to the Government on a confidential basis by other persons. Further, the prohibition against release of Government provided information extends to cover such information whether or not in its original form, e.g., where the information has been included in Contractor generated work or where it is discernible from materials incorporating or based upon such information. This prohibition shall not expire after a given period of time.
- (2) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information generated or derived during or as a result of performance of this contract. This prohibition shall expire after a period of three years after completion of performance of this contract.
- (3) The prohibitions contained in subparagraphs (d)(1) and (d)(2) shall apply with equal force to any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may merge or affiliate, or any successor or assign of the Contractor. The terms of paragraph (f) of this Special Contract Requirement relating to notification shall apply to any release of information in contravention of this paragraph (d).
- (e) The Contractor further agrees that, during the performance of this contract and for a period of three years after completion of performance of this contract, the Contractor, any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may subsequently merge or affiliate, or any other successor or assign of the Contractor, shall not furnish to the United States Government, either as a prime contractor or as a subcontractor, or as a consultant to a prime contractor or subcontractor, any system, component or services which is the subject of the work to be performed under this contract. This exclusion does not apply to any recompetition for those systems, components or services furnished pursuant to this contract. As provided in FAR 9.505-2, if the Government procures the system, component, or services on the basis of work statements growing out of the effort performed under this contract, from a source other than the contractor, subcontractor, affiliate, or assign of either, during the course of performance of this contract or before the three year period following completion of this contract has lapsed, the Contractor may, with the authorization of the cognizant Contracting Officer, participate in a subsequent procurement for the same system, component, or service. In other words, the Contractor may be authorized to compete for procurement(s) for systems, components or services subsequent to an intervening procurement.
- (f) The Contractor agrees that, if after award, it discovers an actual or potential organizational conflict of interest, it shall make immediate and full disclosure in writing to the Contracting Officer. The notification shall include a description of the actual or potential organizational conflict of interest, a description of the action which the Contractor has taken or proposes to take to avoid, mitigate, or neutralize the conflict, and any other relevant information that would assist the Contracting Officer in making a determination on this matter. Notwithstanding this notification, the Government may terminate the contract for the convenience of the Government if determined to be in the best interest of the Government.
- (g) Notwithstanding paragraph (f) above, if the Contractor was aware, or should have been aware, of an organizational conflict of interest prior to the award of this contract or becomes, or should become, aware of an organizational conflict of interest after

award of this contract and does not make an immediate and full disclosure in writing to the Contracting Officer, the Government may terminate this contract for default.

(h) If the Contractor takes any action prohibited by this requirement or fails to take action required by this requirement, the Government may terminate this contract for default.

(i) The Contracting Officer's decision as to the existence or nonexistence of an actual or potential organizational conflict of interest shall be final.

(j) Nothing in this requirement is intended to prohibit or preclude the Contractor from marketing or selling to the United States Government its product lines in existence on the effective date of this contract; nor, shall this requirement preclude the Contractor from participating in any research and development or delivering any design development model or prototype of any such equipment. Additionally, sale of catalog or standard commercial items are exempt from this requirement.

(k) The Contractor shall promptly notify the Contracting Officer, in writing, if it has been tasked to evaluate or advise the Government concerning its own products or activities or those of a competitor in order to ensure proper safeguards exist to guarantee objectivity and to protect the Government's interest.

(l) The Contractor shall include this requirement in subcontracts of any tier which involve access to information or situations/conditions covered by the preceding paragraphs, substituting "subcontractor" for "contractor" where appropriate.

(m) The rights and remedies described herein shall not be exclusive and are in addition to other rights and remedies provided by law or elsewhere included in this contract.

HQ C-2-0059 UPDATING SPECIFICATIONS AND STANDARDS (NAVSEA) (AUG 1994)

If, during the performance of this or any other contract, the contractor believes that any contract contains outdated or different versions of any specifications or standards, the contractor may request that all of its contracts be updated to include the current version of the applicable specification or standard. Updating shall not affect the form, fit or function of any deliverable item or increase the cost/price of the item to the Government. The contractor should submit update requests to the Procuring Contracting Officer with copies to the Administrative Contracting Officer and cognizant program office representative for approval. The contractor shall perform the contract in accordance with the existing specifications and standards until notified of approval/disapproval by the Procuring Contracting Officer. Any approved alternate specifications or standards will be incorporated into the contract.

HQ C-2-0063 USE OF NAVY SUPPORT CONTRACTORS FOR OFFICIAL CONTRACT FILES (NAVSEA) (APR 2004)

(a) NAVSEA may use a file room management support contractor, hereinafter referred to as "the support contractor", to manage its file room, in which all official contract files, including the official file supporting this procurement, are retained. These official files may contain information that is considered a trade secret, proprietary, business sensitive or otherwise protected pursuant to law or regulation, hereinafter referred to as "protected information". File room management services consist of any of the following: secretarial or clerical support; data entry; document reproduction, scanning, imaging, or destruction; operation, management, or maintenance of paper-based or electronic mail rooms, file rooms, or libraries; and supervision in connection with functions listed herein.

(b) The cognizant Contracting Officer will ensure that any NAVSEA contract under which these file room management services are acquired will contain a requirement that:

The support contractor not disclose any information;

(2) Individual employees are to be instructed by the support contractor regarding the sensitivity of the official contract files;

(3) The support contractor performing these services be barred from providing any other supplies and/or services, or competing to do so, to NAVSEA for the period of performance of its contract and for an additional three years thereafter unless otherwise provided by law or regulation; and,

(4) In addition to any other rights the contractor may have, it is a third party beneficiary who has the right of direct action

against the support contractor, or any person to whom the support contractor has released or disclosed protected information, for the unauthorized duplication, release, or disclosure of such protected information.

(c) Execution of this contract by the contractor is considered consent to NAVSEA's permitting access to any information, irrespective of restrictive markings or the nature of the information submitted, by its file room management support contractor for the limited purpose of executing its file room support contract responsibilities.

(d) NAVSEA may, without further notice, enter into contracts with other contractors for these services. Contractors are free to enter into separate non-disclosure agreements with the file room contractor. (Please contact Director, E Business Division for contractor specifics.) However, any such agreement will not be considered a prerequisite before information submitted is stored in the file room or otherwise encumber the government.

PD-C01-ON-SITE SAFETY AND ENVIRONMENTAL AWARENESS TRAINING (SEPTEMBER 2017) (NSWCPD)

(a) The contractor shall strictly adhere to Federal Occupational Safety and Health Agency (OSHA) Regulations, Environmental Protection Agency (EPA) Regulations, and all applicable state and local requirements.

(b) The contractor shall ensure that each contractor employee reads the documents entitled, "Philadelphia Division Environmental Policy and Commitment" and "Philadelphia Division Occupational Safety and Health Policy Statement" within 30 days of commencing performance at Naval Surface Warfare Center Philadelphia Division (NSWCPD). These documents are available at: <https://navsea.navy.deps.mil/wc/pnbc-code10/Safety/default.aspx>

(c) The contractor shall ensure that each contractor employee who will be resident at NSWCPD completes the Environmental Management System (EMS) Awareness training within 30 days of commencing performance at NSWCPD. This document is available at:

<https://navsea.navy.deps.mil/wc/pnbc-code10/Safety/default.aspx>

(d) The contractor shall certify by e-mail to Paul Breeden (paul.breeden@navy.mil) that on-site employees have read the "Philadelphia Division Environmental Policy and Commitment" and taken the EMS Awareness training within 30 days of commencing performance at NSWCPD. The e-mail shall include the employee name, work site, and contract number.

(e) The contractor shall ensure that each contractor employee who will be resident at NSWCPD completes the Voluntary Protection Program (VPP) Awareness Training within 30 days of commencing performance at NSWCPD. This document is available at:

<https://navsea.navy.deps.mil/wc/pnbc-code10/Safety/default.aspx>

(f) The contractor shall certify by e-mail to Al D'Imperio (albert.dimperio@navy.mil) that employees have read the "Philadelphia Division Occupational Safety and Health Policy Statement" and taken the VPP awareness training within 30 days of commencing performance at NSWCPD. The e-mail shall include the employees name, work site, and contract number.

(g) The contractor shall submit their OSHA 300 Logs (injury/illness rates) within 30 days of commencing performance at NSWCPD for review by the OSH Office (Al D'Imperio). If a contractor's injury/illness rates are above the Bureau of Labor Statistics industry standards, a safety assessment will be performed by the OSH Office to determine if any administrative or engineering controls can be utilized to prevent further injuries/illnesses, or if any additional Personal Protective Equipment (PPE) or training will be required.

(h) The contractor shall post their OSHA 300 Logs in a conspicuous place where employee notices are customarily posted immediately upon commencing performance at NSWCPD.

(i) Applicable contractors shall submit Total Case Incident Rate (TCIR) and Days Away, Restricted and Transfer (DART) rates for the past three years within 30 days of commencing performance at NSWCPD for review by the OSH Office. A contractor meets the definition of applicable if its employees worked 1,000 hours or more in any calendar quarter on site and were not directly supervised in day-to-day activities by the command.

(j) The contractor shall report all work-related injuries/illnesses that occurred while working at NSWCPD to the OSH Office.

(k) The contractor shall ensure that all contractor work at NSWCPD is in accordance with the OSH Program Manual (NAVSSSESINST 5100.14). The OSH Program Manual is available at:

<https://navsea.navy.deps.mil/wc/pnbc-code10/Safety/default.aspx>

Note:

1) Contractors must request an "iNAVY" account to access the documents online. Instructions are as follows:

a. <https://inavy.accessrequest.portal.navy.mil/>

b. select EMAIL Certificate<<<<-----

c. select Association (CIV, CTR or MILITARY)

d. enter work phone number

e. UIC number: 64498 (entering this will auto-populate the next box to "NSWC Philadelphia") – then hit "NEXT"

f. sponsor: NAVSEA

(End of Text)

Section D - Packaging and Marking

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

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

- (1) name and business address of the Contractor
- (2) contract number
- (3) task order number
- (4) sponsor: (To be specified on each individual Technical Instruction)

(Name of Individual Sponsor)

(To be specified on each individual Technical Instruction)

(Name of Requiring Activity)

(To be specified on each individual Technical Instruction)

(City and State)

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

Section E - Inspection and Acceptance

Inspection and Acceptance will be performed by the Contracting Officer's Representative (COR) identified in Section G, unless otherwise specified in the Technical Instructions (TIs) issued under this Task Order.

HQ E-1-0001 INSPECTION AND ACCEPTANCE OF DATA

Inspection and acceptance of all data shall be as specified on the attached Contract Data Requirements List(s), DD Form 1423.

(End of Text)

HQ E-1-0007 INSPECTION AND ACCEPTANCE OF LOE SERVICES

Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government.

(End of Text)

The following clause and provision applies:

52.246-5 INSPECTION OF SERVICES – COST-REIMBURSEMENT (APR 1984)

Section F - Deliveries or Performance

CLIN - DELIVERIES OR PERFORMANCE

The Period of Performance of the following Firm line Items are as follows:

7000	09/21/2018 - 09/20/2019
7001	09/21/2018 - 09/20/2019
7002	09/21/2018 - 09/20/2019
7003	09/21/2018 - 09/20/2019
7004	09/21/2018 - 09/20/2019
7005	09/29/2018 - 09/28/2019
7006	11/09/2018 - 07/31/2019
7007	11/27/2018 - 11/07/2019
7008	12/03/2018 - 05/31/2019
7009	12/18/2018 - 11/15/2019
7010	12/18/2018 - 12/02/2019
7011	01/24/2019 - 01/06/2020
7012	01/24/2019 - 01/06/2020
7200	01/24/2019 - 09/20/2020
7201	01/24/2019 - 01/06/2020
7202	01/30/2019 - 01/06/2020
7203	01/30/2019 - 12/31/2019
7204	02/06/2019 - 10/12/2019
7205	02/12/2019 - 02/12/2020
7206	02/12/2019 - 02/12/2020
7207	02/21/2019 - 02/21/2020
7208	02/21/2019 - 02/21/2020
7209	03/01/2019 - 03/01/2020
7210	03/01/2019 - 03/01/2020
7211	03/14/2019 - 03/14/2020
7212	04/02/2019 - 04/02/2020
7213	04/02/2019 - 04/02/2020
7214	04/02/2019 - 04/02/2020
7215	04/18/2019 - 04/17/2020
7216	04/18/2019 - 04/17/2020
7217	04/18/2019 - 04/17/2020
7218	04/18/2019 - 04/17/2020
7219	04/18/2019 - 04/17/2020
7220	05/02/2019 - 04/25/2020
7221	05/02/2019 - 10/31/2019

7222	05/02/2019 - 10/31/2019
7223	05/17/2019 - 05/16/2020
7224	06/04/2019 - 06/03/2020
7225	06/04/2019 - 06/03/2020
7400	06/04/2019 - 09/20/2021
7401 AA	06/04/2019 - 06/03/2020
7401 AB	06/04/2019 - 06/03/2020
7402 AA	07/02/2019 - 07/01/2020
7403 AA	07/02/2019 - 07/01/2020
7403 AB	07/02/2019 - 07/01/2020
7403 AC	07/02/2019 - 07/01/2020
7403 AD	07/02/2019 - 07/01/2020
7404 AA	07/02/2019 - 09/30/2020
7405 AA	07/09/2019 - 07/08/2020
7406 AA	07/31/2019 - 07/30/2020
7407 AA	07/31/2019 - 07/30/2020
7408 AA	07/31/2019 - 07/30/2020
7409 AA	08/30/2019 - 08/29/2020
7409 AB	08/30/2019 - 08/29/2020
7409 AC	08/30/2019 - 08/29/2020
7409 AD	08/30/2019 - 08/29/2020
7410 AA	08/30/2019 - 08/29/2020
7411 AA	08/30/2019 - 08/29/2020
7412 AA	09/20/2019 - 09/19/2020
7413 AA	10/18/2019 - 10/17/2020
7413 AB	10/18/2019 - 10/17/2020
7414 AA	01/10/2020 - 01/09/2021
7415 AA	01/10/2020 - 01/09/2021
7416 AA	01/17/2020 - 01/16/2021
7416 AB	01/17/2020 - 01/16/2021
7417 AA	03/10/2020 - 03/09/2021
7417 AB	03/10/2020 - 03/09/2021
7418 AA	03/10/2020 - 03/09/2021
7418 AB	04/13/2020 - 04/12/2021
7601 AA	04/13/2020 - 04/12/2021
7601 AB	07/21/2020 - 07/20/2021
7602 AA	04/13/2020 - 04/12/2021
7602 AB	07/21/2020 - 07/20/2021
7603 AA	04/17/2020 - 04/16/2021
7604 AA	06/23/2020 - 06/22/2021
7604 AB	06/23/2020 - 06/22/2021

7605 AA	07/13/2020 - 07/12/2021
7605 AB	07/13/2020 - 07/12/2021
7801 AA	07/21/2020 - 07/20/2021
7802 AA	07/24/2020 - 07/23/2021
9000	09/21/2018 - 09/20/2019
9001	09/21/2018 - 09/20/2019
9002	09/21/2018 - 09/20/2019
9003	09/21/2018 - 09/20/2019
9004	09/21/2018 - 09/20/2019
9005	09/29/2018 - 09/28/2019
9006	11/27/2018 - 11/07/2019
9007	12/03/2018 - 05/31/2019
9008	12/18/2018 - 11/15/2019
9200	12/10/2018 - 09/20/2020
9201	12/18/2018 - 11/15/2019
9202	12/18/2018 - 12/02/2019
9203	01/24/2019 - 01/06/2020
9204	01/24/2019 - 01/06/2020
9205	01/30/2019 - 01/06/2020
9206	01/30/2019 - 12/31/2019
9207	02/06/2019 - 10/12/2019
9208	02/12/2019 - 02/12/2020
9209	02/21/2019 - 02/21/2020
9210	03/01/2019 - 03/01/2020
9211	04/02/2019 - 04/02/2020
9215	04/18/2019 - 04/17/2020
9216	04/18/2019 - 04/17/2020
9217	04/18/2019 - 04/17/2020
9220	05/02/2019 - 04/25/2020
9221	05/02/2019 - 10/31/2019
9400	06/04/2019 - 09/20/2021
9401 AA	06/04/2019 - 06/03/2020
9403 AA	07/02/2019 - 07/01/2020
9403 AB	07/02/2019 - 07/01/2020
9403 AC	07/02/2019 - 07/01/2020
9403 AD	07/02/2019 - 07/01/2020
9404 AA	07/02/2019 - 09/30/2020
9405 AA	07/09/2019 - 07/08/2020
9406 AA	07/31/2019 - 07/30/2020
9409 AA	08/30/2019 - 08/29/2020
9409 AB	08/30/2019 - 08/29/2020

9409 AC	08/30/2019 - 08/29/2020
9409 AD	08/23/2019 - 08/22/2020
9412 AA	09/20/2019 - 09/19/2020
9413 AA	10/18/2019 - 10/17/2020
9413 AB	10/18/2019 - 10/17/2020
9415 AA	01/10/2020 - 01/09/2021
9416 AA	01/17/2020 - 01/16/2021
9416 AB	01/17/2020 - 01/16/2021
9417 AA	03/10/2020 - 03/09/2021
9417 AB	03/10/2020 - 03/09/2021
9418 AA	03/10/2020 - 03/09/2021
9418 AB	04/13/2020 - 04/12/2021
9601 AA	04/13/2020 - 04/12/2021
9601 AB	07/21/2020 - 07/20/2021
9602 AA	04/13/2020 - 04/12/2021
9603 AA	04/17/2020 - 04/16/2021
9604 AA	06/23/2020 - 06/22/2021
9604 AB	06/23/2020 - 06/22/2021
9605 AA	07/13/2020 - 07/12/2021
9605 AB	07/13/2020 - 07/12/2021
9801 AA	07/21/2020 - 07/20/2021

The Period of Performance of the following Option line Items are as follows:

7600	04/13/2020 - 09/20/2022
7800	07/21/2020 - 09/20/2023
9600	04/13/2020 - 09/20/2022
9800	07/21/2020 - 09/20/2023

The Period of Performance of the following Award Term line Items are as follows:

No award term line items.

HQ F-1-0003 PERFORMANCE LANGUAGE FOR LOE SERVICES

The contractor shall perform the work described in Section C, at the level of effort specified in

Section B, as follows:

SLIN Funding Base or Option # Period of Performance

7000/9000

SCN, OPN, OMN, RDTEN

Base 09/21/2018-09/20/2019

7200/9200

SCN, OPN, OMN, RDTEN

Option 1* 09/21/2019-09/20/2020

7400/9400

SCN, OPN, OMN, RDTEN

Option 2* 09/21/2020-09/20/2021

7600/9600

SCN, OPN, OMN, RDTEN

Option 3* 09/21/2021-09/20/2022

7800/9800

SCN, OPN, OMN, RDTEN

Option 4* 09/21/2022-09/20/2023

* If option is exercised

PERIOD OF PERFORMANCE NOTE: The option periods of performance are estimated and projected for planning purposes. However, if the option is not exercised prior to the beginning of the option's projected performance period as outlined in the schedule, upon receipt of funds, the Contracting Officer will bilaterally modify the schedule. The option's performance timeframe shall be adjusted to correlate to the time frame commensurate with the exercise of the option for a period not to exceed twelve (12) months.

HQ F-2-0003 DATA DELIVERY LANGUAGE FOR SERVICES ONLY PROCUREMENTS

All data to be furnished under this contract shall be delivered prepaid to the destination(s) and at the time(s) specified on the Contract Data Requirements List(s), DD Form 1423.

CLAUSES INCORPORATED BY FULL TEXT

HQ F-2-0004 F.O.B. DESTINATION (NAVSEA) (APR 2015)

All supplies hereunder shall be delivered with all transportation charges prepaid, in accordance with the clause hereof entitled "F.O.B. DESTINATION" (FAR 52.247-34) in accordance with the delivery instructions specified herein.

The Contractor shall not ship directly to a military air or water port terminal without authorization by the cognizant Contract Administration Office.

Except when the Material Inspection and Receiving Report (MIRR) (DD 250) is used as an invoice, the Contractor shall enter unit prices on all MIRR copies. Contract line items shall be priced using actual prices, or if not available, estimated prices. When the price is estimated, an "E" shall be entered after the price.

All data to be furnished under this contract shall be delivered prepaid to destination(s) at the time(s) specified on the

Contract Data Requirements List(s), DD Form 1423.

The Period of Performance of the following Firm items are as follows:

7000	09/21/2018 - 09/20/2019
7001	09/21/2018 - 09/20/2019
7002	09/21/2018 - 09/20/2019
7003	09/21/2018 - 09/20/2019
7004	09/21/2018 - 09/20/2019
7005	09/29/2018 - 09/28/2019
7006	11/09/2018 - 07/31/2019
7007	11/27/2018 - 11/07/2019
7008	12/03/2018 - 05/31/2019
7009	12/18/2018 - 11/15/2019
7010	12/18/2018 - 12/02/2019
7011	01/24/2019 - 01/06/2020
7012	01/24/2019 - 01/06/2020
7200	01/24/2019 - 09/20/2020
7201	01/24/2019 - 01/06/2020
7202	01/30/2019 - 01/06/2020
7203	01/30/2019 - 12/31/2019
7204	02/06/2019 - 10/12/2019
7205	02/12/2019 - 02/12/2020
7206	02/12/2019 - 02/12/2020
7207	02/21/2019 - 02/21/2020
7208	02/21/2019 - 02/21/2020
7209	03/01/2019 - 03/01/2020
7210	03/01/2019 - 03/01/2020
7211	03/14/2019 - 03/14/2020
7212	04/02/2019 - 04/02/2020
7213	04/02/2019 - 04/02/2020
7214	04/02/2019 - 04/02/2020
7215	04/18/2019 - 04/17/2020
7216	04/18/2019 - 04/17/2020
7217	04/18/2019 - 04/17/2020
7218	04/18/2019 - 04/17/2020
7219	04/18/2019 - 04/17/2020
7220	05/02/2019 - 04/25/2020

7221	05/02/2019 - 10/31/2019
7222	05/02/2019 - 10/31/2019
7223	05/17/2019 - 05/16/2020
7224	06/04/2019 - 06/03/2020
7225	06/04/2019 - 06/03/2020
7400	06/04/2019 - 09/20/2021
7401 AA	06/04/2019 - 06/03/2020
7401 AB	06/04/2019 - 06/03/2020
7402 AA	07/02/2019 - 07/01/2020
7403 AA	07/02/2019 - 07/01/2020
7403 AB	07/02/2019 - 07/01/2020
7403 AC	07/02/2019 - 07/01/2020
7403 AD	07/02/2019 - 07/01/2020
7404 AA	07/02/2019 - 09/30/2020
7405 AA	07/09/2019 - 07/08/2020
7406 AA	07/31/2019 - 07/30/2020
7407 AA	07/31/2019 - 07/30/2020
7408 AA	07/31/2019 - 07/30/2020
7409 AA	08/30/2019 - 08/29/2020
7409 AB	08/30/2019 - 08/29/2020
7409 AC	08/30/2019 - 08/29/2020
7409 AD	08/30/2019 - 08/29/2020
7410 AA	08/30/2019 - 08/29/2020
7411 AA	08/30/2019 - 08/29/2020
7412 AA	09/20/2019 - 09/19/2020
7413 AA	10/18/2019 - 10/17/2020
7413 AB	10/18/2019 - 10/17/2020
7414 AA	01/10/2020 - 01/09/2021
7415 AA	01/10/2020 - 01/09/2021
7416 AA	01/17/2020 - 01/16/2021
7416 AB	01/17/2020 - 01/16/2021
7417 AA	03/10/2020 - 03/09/2021
7417 AB	03/10/2020 - 03/09/2021
7418 AA	03/10/2020 - 03/09/2021
7418 AB	04/13/2020 - 04/12/2021
7601 AA	04/13/2020 - 04/12/2021
7601 AB	07/21/2020 - 07/20/2021
7602 AA	04/13/2020 - 04/12/2021
7602 AB	07/21/2020 - 07/20/2021
7603 AA	04/17/2020 - 04/16/2021
7604 AA	06/23/2020 - 06/22/2021

7604 AB	06/23/2020 - 06/22/2021
7605 AA	07/13/2020 - 07/12/2021
7605 AB	07/13/2020 - 07/12/2021
7801 AA	07/21/2020 - 07/20/2021
7802 AA	07/24/2020 - 07/23/2021
9000	09/21/2018 - 09/20/2019
9001	09/21/2018 - 09/20/2019
9002	09/21/2018 - 09/20/2019
9003	09/21/2018 - 09/20/2019
9004	09/21/2018 - 09/20/2019
9005	09/29/2018 - 09/28/2019
9006	11/27/2018 - 11/07/2019
9007	12/03/2018 - 05/31/2019
9008	12/18/2018 - 11/15/2019
9200	12/10/2018 - 09/20/2020
9201	12/18/2018 - 11/15/2019
9202	12/18/2018 - 12/02/2019
9203	01/24/2019 - 01/06/2020
9204	01/24/2019 - 01/06/2020
9205	01/30/2019 - 01/06/2020
9206	01/30/2019 - 12/31/2019
9207	02/06/2019 - 10/12/2019
9208	02/12/2019 - 02/12/2020
9209	02/21/2019 - 02/21/2020
9210	03/01/2019 - 03/01/2020
9211	04/02/2019 - 04/02/2020
9215	04/18/2019 - 04/17/2020
9216	04/18/2019 - 04/17/2020
9217	04/18/2019 - 04/17/2020
9220	05/02/2019 - 04/25/2020
9221	05/02/2019 - 10/31/2019
9400	06/04/2019 - 09/20/2021
9401 AA	06/04/2019 - 06/03/2020
9403 AA	07/02/2019 - 07/01/2020
9403 AB	07/02/2019 - 07/01/2020
9403 AC	07/02/2019 - 07/01/2020
9403 AD	07/02/2019 - 07/01/2020
9404 AA	07/02/2019 - 09/30/2020
9405 AA	07/09/2019 - 07/08/2020
9406 AA	07/31/2019 - 07/30/2020
9409 AA	08/30/2019 - 08/29/2020

9409 AB	08/30/2019 - 08/29/2020
9409 AC	08/30/2019 - 08/29/2020
9409 AD	08/23/2019 - 08/22/2020
9412 AA	09/20/2019 - 09/19/2020
9413 AA	10/18/2019 - 10/17/2020
9413 AB	10/18/2019 - 10/17/2020
9415 AA	01/10/2020 - 01/09/2021
9416 AA	01/17/2020 - 01/16/2021
9416 AB	01/17/2020 - 01/16/2021
9417 AA	03/10/2020 - 03/09/2021
9417 AB	03/10/2020 - 03/09/2021
9418 AA	03/10/2020 - 03/09/2021
9418 AB	04/13/2020 - 04/12/2021
9601 AA	04/13/2020 - 04/12/2021
9601 AB	07/21/2020 - 07/20/2021
9602 AA	04/13/2020 - 04/12/2021
9603 AA	04/17/2020 - 04/16/2021
9604 AA	06/23/2020 - 06/22/2021
9604 AB	06/23/2020 - 06/22/2021
9605 AA	07/13/2020 - 07/12/2021
9605 AB	07/13/2020 - 07/12/2021
9801 AA	07/21/2020 - 07/20/2021

The Period of Performance of the following Option items are as follows:

7600	04/13/2020 - 09/20/2022
7800	07/21/2020 - 09/20/2023
9600	04/13/2020 - 09/20/2022
9800	07/21/2020 - 09/20/2023

Section G - Contract Administration Data

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

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

Destination

(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:	HQ0337
Issue By DoDAAC:	N64498
Admin DoDAAC:	S3915A
Inspect By DoDAAC:	N64498
Ship To Code:	N64498
Ship From Code:	N/A
Mark For Code:	N/A
Service Approver (DoDAAC):	N64498
Service Acceptor (DoDAAC):	N64498
Accept at Other DoDAAC:	N/A
LPO DoDAAC:	N/A
DCAA Auditor DoDAAC:	TBD
Other DoDAAC(s):	N/A_____

(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.

Stephen Pitucci

Email: Stephen.Pitucci@navy.mil

(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. N64498 - Kimberly Villano; email: kimberly.villano@navy.mil, 215.897-2433

GAM Mailbox - email: NSWCPD_WAWF_GAM@navy.mil

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

HQ G-2-0003 CONTRACTING OFFICER'S REPRESENTATIVE

Contracting Officer Representative

Stephen Pitucci

5101 S. 18th Street, Building 1000

Philadelphia, PA 19112

Stephen.Pitucci@NAVY.MIL
215-897-2033

(b) In the event that the COR named above is absent due to leave, illness or official business, all responsibilities and functions assigned to the COR will be the responsibility of the alternate COR. The Alternate COR for this contract is:

TBD

The Contractor shall forward a copy of all invoices to the Contracting Officer's Representative.

HQ G-2-0009 SUPPLEMENTAL INSTRUCTIONS REGARDING INVOICING (NAVSEA) (APR 2015)

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

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

PD-G01 FIXED FEE WITHHOLD LANGUAGE (JAN 2017) (NSWCPD)

In accordance with FAR 52.216-8 Fixed Fee (June 2011), the Contractor shall withhold 15% of each fixed fee payment starting with the first invoice billed (or no more than \$100,000 of total fixed fee). All fixed fee amounts withheld should be paid after the contractor has completed all administrative requirements in addition to contract performance.

G-232-H002 PAYMENT INSTRUCTIONS AND CONTRACT TYPE SUMMARY FOR PAYMENT OFFICE (NAVSEA) (JUN 2018)

(a) The following table of payment office allocation methods applies to the extent indicated.

For Government Use Only					
Contract/Order Payment	Type of Payment	Supply	Service	Construction	Payment Office

Clause	Request				Allocation Method
<p>52.212-4 (Alt I), Contract Terms and Conditions – Commercial Items</p> <p>52.216-7, Allowable Cost and Payment</p> <p>52.232-7, Payments under Time-and-Materials and Labor-Hour Contracts</p>	Cost Voucher	X	X	N/A	Line item specific proration. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated in the same proportion as the amount of funding currently unliquidated for each ACRN on the deliverable line or deliverable subline item for which payment is requested.
52.232-1, Payments	Navy Shipbuilding Invoice (Fixed Price)	X	N/A	N/A	Line Item specific by fiscal year. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated using the oldest funds. In the event of a deliverable line or deliverable subline item with two ACRNs with the same fiscal year, those amounts will be prorated to the available unliquidated funds for that year.
<p>52.232-1, Payments;</p> <p>52.232-2, Payments under Fixed-Price Research and Development Contracts;</p> <p>52.232-3, Payments under Personal Services Contracts;</p> <p>52.232-4, Payments under Transportation Contracts and Transportation-Related Services Contracts; and</p> <p>52.232-6, Payments under Communication Service Contracts with Common Carriers</p>	Invoice	X	X	N/A	Line Item Specific proration. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated in the same proportion as the amount of funding currently unliquidated for each ACRN on the deliverable line or deliverable subline item for which payment is requested.
52.232-5, Payments Under Fixed-Price Construction Contracts	Construction Payment Invoice	N/A	N/A	X	Line Item specific by fiscal year. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated using the oldest funds. In the event of a deliverable line or deliverable subline item with two ACRNs with the same fiscal year, those amounts will be prorated to the available unliquidated funds for that year.

52.232-16, Progress Payments	Progress Payment*	X	X	N/A	Contract-wide proration. Funds shall be allocated in the same proportion as the amount of funding currently unliquidated for each ACRN. Progress Payments are considered contract level financing, and the "contract price" shall reflect the fixed price portion of the contract per FAR 32.501-3.
52.232-29, Terms for Financing of Purchases of Commercial Items; 52.232-30, Installment Payments for Commercial Items	Commercial Item Financing*	X	X	N/A	Specified in approved payment. The contracting officer shall specify the amount to be paid and the account(s) to be charged for each payment approval in accordance with FAR 32.207(b)(2) and 32.1007(b)(2).
52.232-32, Performance-Based Payments	Performance-Based Payments*	X	X	N/A	Specified in approved payment. The contracting officer shall specify the amount to be paid and the account(s) to be charged for each payment approval in accordance with FAR 32.207(b)(2) and 32.1007(b)(2).
252.232-7002, Progress Payments for Foreign Military Sales Acquisitions	Progress Payment*	X	X	N/A	Allocate costs among line items and countries in a manner acceptable to the Administrative Contracting Officer.

*Liquidation of Financing Payments. Liquidation will be applied by the payment office against those ACRNs which are identified by the payment instructions for the delivery payment and in keeping with the liquidation provision of the applicable contract financing clause (i.e., progress payment, performance-based payment, or commercial item financing).

(b) This procurement contains the following contract type(s):

Item	Type*
------	-------

*CR – Cost-Reimbursement

FP – Fixed Price

(End of text)

7001 130073391500001 140000.00

LLA :

AA 1781804 8B5B 251 24VCS 0 050120 2D 000000 A00004647541

TI 1.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 SEP 2019.

7002 130073517900001 185000.00

LLA :

AB 1781810 C15M 251 24VCS 0 050120 2D 000000 A00004655634

TI 2.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 SEP 2019.

7003 130074352100001 179100.00

LLA :

AC 1781804 KG1F 257 00025 068732 2D 02A1F1 AA008RCB0033

Standard Number: N0002518RCB0033

TI 3.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 SEP 2019.

7004 130074514200001 450000.00

LLA :

AD 1781804 8U2N 251 V5Z00 0 050120 2D 000000 A00004722471

TI 4.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 SEP 2019.

9001 130073391500002 10000.00

LLA :

AA 1781804 8B5B 251 24VCS 0 050120 2D 000000 A00004647541

TI 1.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 SEP 2019.

9002 130073517900002 15000.00

LLA :

AB 1781810 C15M 251 24VCS 0 050120 2D 000000 A00004655634

TI 2.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 September 2019.

9003 130074352100002 19900.00

LLA :

AC 1781804 KG1F 257 00025 068732 2D 02A1F1 AA008RCB0033

Standard Number: N0002518RCB0033

TI 3.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 SEP 2019.

9004 130074514200002 50000.00

LLA :

AD 1781804 8U2N 251 V5Z00 0 050120 2D 000000 A00004722471

TI 4.00. 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 20 September 2019.

BASE Funding 1049000.00

Cumulative Funding 1049000.00

MOD P00001

7005 130074734500001 85000.00

LLA :

AE 1781804 70BD 257 53824 R 060957 2D CN8552 538248VUN01Q

Standard Number: R5382418RCN8552/AA

TI 5.00. 10 USC 2410a invoked. Funding available for performance through 28 SEP 2019.

9005 130074734500002 15000.00

LLA :

AE 1781804 70BD 257 53824 R 060957 2D CN8552 538248VUN01Q

Standard Number: R5382418RCN8552/AA

TI 5.00. 10 USC 2410a invoked. Funding available for performance through 28 SEP 2019.

MOD P00001 Funding 100000.00

Cumulative Funding 1149000.00

MOD P00002

7006 130075246400001 50243.00

LLA :

AF 1721611 1317 251 SH317 0 050120 2D 000000 A00004793075

Incremental funding in the amount of \$50243.00 for labor in reference to TI 06

MOD P00002 Funding 50243.00

Cumulative Funding 1199243.00

MOD P00003

7007 130075402500001 16000.00

LLA :

AG 1791804 70BA 251 55262 R 068688 2D CD0007 55262900U1CQ

TI 07

10 U.S.C. 2410a invoked. Funding available for performance through 07 NOV 2019.

9006 130075402500002 10000.00

LLA :

AG 1791804 70BA 251 55262 R 068688 2D CD0007 55262900U1CQ

TI 07

10 U.S.C. 2410a invoked. Funding available for performance through 07 NOV 2019.

MOD P00003 Funding 26000.00

Cumulative Funding 1225243.00

MOD P00004

7008 130075502700001 51200.00

LLA :

AH 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00004813122

TI 08: Incremental funding for labor of technical services.

9007 130075502700002 1000.00

LLA :

AH 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00004813122

TI 08; Incremental Funding for (ODC) Travel.

MOD P00004 Funding 52200.00

Cumulative Funding 1277443.00

MOD P00005

7009 130075546500001 194340.00

LLA :

AJ 1791804 70BA 257 62758 0 062649 2D CUS734 6275890DHB9P

TI 09 Incremental Funding; 10 U.S.C 2410a Authority Invoked

7010 130075811100001 38000.00

LLA :

AK 1791804 70BA 251 55262 R 068688 2D CD0050 55262900Y1GQ

TI 07 REV.01 Incremental Funding Labor_2410a Authority Invoked

9008 130075546500002 43069.46

LLA :

AJ 1791804 70BA 257 62758 0 062649 2D CUS734 6275890DHB9P

TI 09 ODC Funding;10 U.S.C 2410a Authority Invoked

9201 130075546500002 12590.54

LLA :

AJ 1791804 70BA 257 62758 0 062649 2D CUS734 6275890DHB9P

TI 09 ODC Funds; 10 U.S.C 2410a Authority Invoked

9202 130075811100002 7000.00

LLA :

AK 1791804 70BA 251 55262 R 068688 2D CD0050 55262900Y1GQ

TI 07 REV.01 Incremental Funding ODCs_2410a Authority Invoked

MOD P00005 Funding 295000.00

Cumulative Funding 1572443.00

MOD P00006

7011 130076412900001 148000.00

LLA :

AL 1791804 8C1C 251 24VCS 0 050120 2D 000000 A00004878409

Incremental Funding TI 10_LABOR_2410a Authority Invoked

7012 130076392600001 7692.68

LLA :

AM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004876425

TI 11_Incremental Funding_Labor_2410a Authority Invoked

7201 130076392600001 153307.32

LLA :

AM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004876425

TI 11_Incremental Funding_Labor_2410a Authority Invoked

9203 130076412900002 1000.00

LLA :

AL 1791804 8C1C 251 24VCS 0 050120 2D 000000 A00004878409

9204 130076392600002 14000.00

LLA :

AM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004876425

TI 11_Incremental Funding_ODCs_2410a Authority Invoked

MOD P00006 Funding 324000.00

Cumulative Funding 1896443.00

MOD P00007

7202 130076431800001 56000.00

LLA :

AN 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004880383

TI 07 REV 02_Incremental Funding_Labor_2410a Authority Invoked

7203 130076499900001 209300.00

LLA :

AP 1781611 6218 251 CV312 0 050120 2D 000000 A00004885660

TI 12_Incremental Funding (Labor)

9205 130076431800002 5000.00

LLA :

AN 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004880383

TI 07 Rev 02_Incremental Funding_ODCs (Travel)_2410a Authority Invoked

9206 130076499900002 10000.00

LLA :

AP 1781611 6218 251 CV312 0 050120 2D 000000 A00004885660

TI 12_Incremental Funding_ODCs (Travel)

MOD P00007 Funding 280300.00

Cumulative Funding 2176743.00

MOD P00008

7204 130076409100003 57000.00

LLA :

AQ 1791319 14LX 251 SH317 0 050120 2D 000000 A00004876661

TI 06 Rev. 01_Incremental Funding_Labor_2410a Authority Invoked.

9207 130076409100004 11000.00

LLA :

AQ 1791319 14LX 251 SH317 0 050120 2D 000000 A00004876661

TI 06 Rev. 01_ODCs_2410a Authority Invoked.

MOD P00008 Funding 68000.00

Cumulative Funding 2244743.00

MOD P00009

7205 130076638000001 31000.00

LLA :

AR 1791810 81DM 251 VU021 0 050120 2D 000000 A00004896646

TI 13 Incremental Funding (Labor)

7206 130076790600001 50000.00

LLA :

AM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004907129

TI 14 Incremental Funding (Labor)- 2410a Authority Invoked

9208 130076790600002 10000.00

LLA :

AM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004907129

TI 14 Incremental Funding (ODCs Travel) - 2410a Authority Invoked

MOD P00009 Funding 91000.00

Cumulative Funding 2335743.00

MOD P00010

7207 130076863500001 20000.00

LLA :

AS 1791804 8B5B 251 VUS00 0 050120 2D 000000 A00004912699

TI 15 Incremental Funding_Labor_2410a Authority Invoked

7208 130077047800001 21000.00

LLA :

AH 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00004925508

TI 18 Incremental Funding_Labor

9209 130077047800002 1000.00

LLA :

AH 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00004925508

TI 18 Incremental Funding_ODCs (Materials)

MOD P00010 Funding 42000.00

Cumulative Funding 2377743.00

MOD P00011

7209 130076842700001 60000.00

LLA :

AN 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004912105

TI 16 Incremental Funding_Labor_2410a Authority Invoked

7210 130077014600001 215000.00

LLA :

AM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004923117

TI 17 Incremental Funding_Labor_2410a Authority Invoked

9210 130077014600002 10000.00

LLA :

AM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004923117

TI 17 Incremental Funding_ODCs (Travel)_2410a Authority Invoked

MOD P00011 Funding 285000.00

Cumulative Funding 2662743.00

MOD P00012

7211 130077202700001 51500.00

LLA :

AN 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004938821

TI 06 Rev. 02 Incremental Funding_Labor_2410a Authority Invoked.

MOD P00012 Funding 51500.00

Cumulative Funding 2714243.00

MOD P00013

7212 130077544000001 10000.00

LLA :

AN 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004968738

TI 06 Rev 03 Incremental Funding_Labor_2410a Authority Invoked

7213 130077551300001 11250.00

LLA :

AT 1791804 70BA 251 55262 R 068688 2D CD0112 55262900PPQQ

TI 06 Rev 03 Incremental Funding_Labor_2410a Authority Invoked

7214 130077622800001 80000.00

LLA :

BM 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004974792

TI 19 Incremental Funding (Labor) 2410a Authority Invoked

9211 130077551300002 2500.00

LLA :

AT 1791804 70BA 251 55262 R 068688 2D CD0112 55262900PPQQ

TI 06 Rev 03 Incremental Funding_ODCs (Travel)_2410a Authority Invoked

MOD P00013 Funding 103750.00

Cumulative Funding 2817993.00

MOD P00014

7215 130077260200001 29790.00

LLA :

AU 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004942886

TI 07 Rev 03 Incremental Funding Labor 2410a Authority Invoked

7216 130077818500001 250000.00

LLA :

AV 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004988625

TI-20 Incremental Funding Labor. 2410a Authority Invoked

7217 130077678100001 216619.00

LLA :

AW 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004978513

TI-21 Incremental Funding Labor 2410a Authority Invoked

7218 130078117900001 35000.00

LLA :

AX 1791804 8U2N 251 V5S00 0 050120 2D 000000 A00005013020

TI-23 Incremental Funding Labor 2410a Authority Invoked

7219 130078118000001 28000.00

LLA :

AY 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00005013021

TI-23 Incremental Funding Labor 2410a Authority Invoked

9215 130077260200002 8210.00

LLA :

AU 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004942886

TI 07 Rev 03 Incremental Funding ODCs 2410a Authority Invoked

9216 130077818500002 11000.00

LLA :

AV 1791804 8B5B 251 VU021 0 050120 2D 000000 A00004988625

TI-20 Incremental Funding ODCs 2410a Authority Invoked

9217 130077678100002 13000.00

LLA :

AW 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00004978513

TI-21 Incremental Funding ODCs 2410a Authority Invoked

MOD P00014 Funding 591619.00

Cumulative Funding 3409612.00

MOD P00015

7220 130077996500001 103000.00

LLA :

AJ 1791804 70BA 257 62758 0 062649 2D CUS734 6275890DHB9P

Incremental funding in support of TI 09 Rev 03. 2410a authority is hereby invoked.

7221 130077996900001 18043.00

LLA :

BD 1781611 C281 251 24VCS 0 050120 2D 000000 A00005000401

Incremental funding in support of TI 22. 2410a authority is hereby invoked.

7222 130077996900002 11957.00

LLA :

BN 1781611 C281 251 24VCS 0 050120 2D 000000 A10005000401

Incremental Funding in support of TI 22. 2410a authority is hereby invoked.

9220 130077996500002 24000.00

LLA :

AZ 1791804 70BA 257 62758 0 062649 2D CUS734 6275890DHB9P

Incremental funding in support of TI 09 Rev 03. 2410a is hereby invoked.

9221 130077996900003 5000.00

LLA :

BA 1781611 C281 251 24VCS 0 050120 2D 000000 A10005000401

Incremental funding in support of TI 22. 2410a authority is hereby invoked.

MOD P00015 Funding 162000.00

Cumulative Funding 3571612.00

MOD P00016

7223 130078619100001 40000.00

LLA :

BC 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00005052272

Incremental funding in support of TI 24.

MOD P00016 Funding 40000.00

Cumulative Funding 3611612.00

MOD P00017 Funding 0.00

Cumulative Funding 3611612.00

MOD P00018

7224 130078762100001 135000.00

LLA :

BE 1741611 C281 251 24VCS 0 050120 2D 000000 A00005060275

Incremental funding for TI 26

7225 130078762100002 196000.00

LLA :

BF 1741611 C281 251 24VCS 0 050120 2D 000000 A10005060275

Incremental funding in support of TI 26

7401AA 130079039100001 93000.00

LLA :

BG 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00005083085

Incremental funding in support of TI 4 Rev 2. 2410a authority is hereby invoked

7401AB 130079029900001 27500.00

LLA :

BH 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00005083404

Incremental funding in support of TI 4 Rev 2. 2410a authority is hereby invoked.

9401AA 130079039100002 7000.00

LLA :

BG 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00005083085

Incremental funding in support of TI 4 Rev 2. 2410a authority is hereby invoked.

MOD P00018 Funding 458500.00

Cumulative Funding 4070112.00

MOD P00019

7402AA 130079265700001 150000.00

LLA :

CD 1791804 8C1C 251 24VCS 0 050120 2D 000000 A00005112407

TI-27. U.S.C. 2410(a) is hereby invoked.

7403AA 130079671900001 55500.00

LLA :

BP 1791804 8B5B 251 VU021 0 050120 2D 000000 A00005150686

TI-29 U.S.C. 2410(a) is hereby invoked

7403AB 130079671900003 78000.00

LLA :

BP 1791804 8B5B 251 VU021 0 050120 2D 000000 A00005150686

TI-29 U.S.C. 2410(a) is hereby invoked

7403AC 130079672000001 13233.00

LLA :

BQ 1791804 70BA 251 55262 R 068688 2D CD0185 552629010Q2Q

TI-29 U.S.C. 2410(a) is hereby invoked

7403AD 130079782300001 100200.00

LLA :

BR 1791804 60BA 257 50054 R 068732 2D CX0152 500549D0087P

TI-29 U.S.C. 2410(a) is hereby invoked

7404AA 130079625600001 75000.00

LLA :

BS 1781810 81GB 251 VU021 0 050120 2D 000000 A00005142303

TI-18 REV01

9403AA 130079671900002 4500.00

LLA :

BP 1791804 8B5B 251 VU021 0 050120 2D 000000 A00005150686

TI-29 U.S.C. 2410(a) is hereby invoked

9403AB 130079671900004 7000.00

LLA :

BP 1791804 8B5B 251 VU021 0 050120 2D 000000 A00005150686

TI-29 U.S.C. 2410(a) is hereby invoked

9403AC 130079672000002 1267.00

LLA :

BQ 1791804 70BA 251 55262 R 068688 2D CD0185 552629010Q2Q

TI-29 U.S.C. 2410(a) is hereby invoked

9403AD 130079782300002 8500.00

LLA :

BR 1791804 60BA 257 50054 R 068732 2D CX0152 500549D0087P

TI-29 U.S.C. 2410(a) is hereby invoked

9404AA 130079625600002 5000.00

LLA :

BS 1781810 81GB 251 VU021 0 050120 2D 000000 A00005142303

TI-18 REV01

MOD P00019 Funding 498200.00

Cumulative Funding 4568312.00

MOD P00020

7405AA 130078785200001 40000.00

LLA :

BT 1791810 C15M 251 24VCS 0 050120 2D 000000 A00005061101

Incremental funding in support of TI 14 Rev 01

9405AA 130078785200002 10000.00

LLA :

BT 1791810 C15M 251 24VCS 0 050120 2D 000000 A00005061101

Incremental funding in support of TI 14 Rev 01

MOD P00020 Funding 50000.00

Cumulative Funding 4618312.00

MOD P00021

7406AA 130079294800001 139000.00

LLA :

BU 1791810 81DM 251 VU021 0 050120 2D 000000 A00005114445

7407AA 130079945500001 10000.00

LLA :

BV 1791810 81DM 251 VU021 0 050120 2D 000000 A00005178933

7408AA 130080255500001 30000.00

LLA :

BW 1791804 8B5B 251 24VCS 0 050120 2D 000000 A00005205705

TI-31 labor funding. 2410a authority is invoked

9406AA 130079294800002 11000.00

LLA :

BU 1791810 81DM 251 VU021 0 050120 2D 000000 A00005114445

MOD P00021 Funding 190000.00

Cumulative Funding 4808312.00

MOD P00022

7409AA 130078630300001 60329.00

LLA :

BX 1781611 C281 251 24VCS 0 050120 2D 000000 A00005053135

TI-25 incremental funding for labor. 2410a Authority invoked

7409AB 130078630300005 41037.00

LLA :

BX 1781611 C281 251 24VCS 0 050120 2D 000000 A20005053135

TI-25 incremental funding for labor. 2410a Authority is invoked

7409AC 130080197300001 55425.00

LLA :

BZ 1781611 C281 251 24VCS 0 050120 2D 000000 A00005200228

TI 25 labor 2410a authority invoked

7409AD 130080197300003 23738.00

LLA :

BZ 1781611 C281 251 24VCS 0 050120 2D 000000 A10005200228

TI 25 labor 2410a authority is invoked

7410AA 130080487800001 40000.00

LLA :

BY 1741611 C281 251 24VCS 0 050120 2D 000000 A00005221148

Incremental funding for TI-26 Rev 1. 2410a authority is invoked

7411AA 130080986100001 55000.00

LLA :

CA 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00005258312

Incremental funding for TI 23 Rev 01 2410a authority is invoked

9409AA 130078630300002 5500.00

LLA :

BX 1781611 C281 251 24VCS 0 050120 2D 000000 A00005053135

TI 25 ODC support. 2410a authority is invoked

9409AB 130078630300006 3000.00

LLA :

BX 1781611 C281 251 24VCS 0 050120 2D 000000 A20005053135

TI-25 ODC support. 2410a authority is invoked.

9409AC 130080197300002 5000.00

LLA :

BZ 1781611 C281 251 24VCS 0 050120 2D 000000 A00005200228

TI 25 incremental funding for ODC. 2410a authority is invoked

MOD P00022 Funding 289029.00
Cumulative Funding 5097341.00

MOD P00023

7412AA 130081423800001 222000.00

LLA :

CB 1771810 C1LN 251 24VCS 0 050120 2D 000000 A00005301957

Incremental funding for TI 32. 2410a authority is hereby invoked.

9412AA 130081423800002 15000.00

LLA :

CB 1771810 C1LN 251 24VCS 0 050120 2D 000000 A00005301957

2401a authority is hereby invoked.

MOD P00023 Funding 237000.00
Cumulative Funding 5334341.00

MOD P00024

7413AA 130081509200001 84000.00

LLA :

CC 1741611 C281 251 24VCS 0 050120 2D 000000 A00005312581

Incremental funding in support of labor for TI 33

7413AB 130081509200003 84000.00

LLA :

CC 1741611 C281 251 24VCS 0 050120 2D 000000 A10005312581

Incremental funding in support of TI 33

9413AA 130081509200002 5000.00

LLA :

CC 1741611 C281 251 24VCS 0 050120 2D 000000 A00005312581

Incremental funding in support of ODCs for TI 33

9413AB 130081509200004 5000.00

LLA :

CC 1741611 C281 251 24VCS 0 050120 2D 000000 A10005312581

Incremental funding in support of TI 33 ODCs

MOD P00024 Funding 178000.00
Cumulative Funding 5512341.00

MOD P00025 Funding 0.00
Cumulative Funding 5512341.00

MOD P00026 Funding 0.00
Cumulative Funding 5512341.00

MOD P00027

7414AA 130082525400001 15000.00

LLA :

CE 1701804 8B5B 251 VUS00 0 050120 2D 000000 A00005413243

Incremental funding in support of TI-15 Rev 1. 2410a authority is hereby invoked.

7415AA 130082807900001 46000.00

LLA :

CF 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00005433970

Incremental funding in support of TI-30. 2410a authority is hereby invoked.

9415AA 130082807900002 4000.00

LLA :

CF 97X4930 NH1Q 251 77777 0 050120 2F 000000 A00005433970

Incremental funding in support of TI 30. 2410a Authority is hereby invoked.

MOD P00027 Funding 65000.00

Cumulative Funding 5577341.00

MOD P00028

7416AA 130083010200001 45790.00

LLA :

CG 1791611 C281 251 24VCS 0 050120 2D 000000 A00005449452

Incremental funding in support of TI-34

7416AB 130083010200003 45790.00

LLA :

CG 1791611 C281 251 24VCS 0 050120 2D 000000 A10005449452

Incremental funding in support of TI-34

9416AA 130083010200002 4000.00

LLA :

CG 1791611 C281 251 24VCS 0 050120 2D 000000 A00005449452

Incremental funding in support of TI-34

9416AB 130083010200004 4000.00

LLA :

CG 1791611 C281 251 24VCS 0 050120 2D 000000 A10005449452

Incremental funding in support of TI-34

MOD P00028 Funding 99580.00
Cumulative Funding 5676921.00

MOD P00029 Funding 0.00
Cumulative Funding 5676921.00

MOD P00030

7417AA 130083897200001 154500.00

LLA :

CH 1751611 C281 251 24VCS 0 050120 2D 000000 A00005516402

Incremental funding in support of TI 35 labor

7417AB 130083897200003 154500.00

LLA :

CH 1751611 C281 251 24VCS 0 050120 2D 000000 A10005516402

Incremental funding in support of TI 35 labor

7418AA 130084090800001 85000.00

LLA :

CJ 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005530412

Incremental funding in support of TI 36 labor. 2410a authority is hereby invoked.

9417AA 130083897200002 5500.00

LLA :

CH 1751611 C281 251 24VCS 0 050120 2D 000000 A00005516402

Incremental funding in support of TI 35

9417AB 130083897200004 5500.00

LLA :

CH 1751611 C281 251 24VCS 0 050120 2D 000000 A10005516402

Incremental funding in support of TI 35 ODCs

9418AA 130084090800002 5000.00

LLA :

CJ 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005530412

Incremental funding in support of TI 35 ODCs. 2410a authority is hereby invoked.

MOD P00030 Funding 410000.00
Cumulative Funding 6086921.00

MOD P00031 Funding 0.00
Cumulative Funding 6086921.00

Accounting Data

CLIN/SLIN	PR Number	Amount
N6449818F3003P00032		
7418AB	130084655100001	\$105,000.00
LLA :		
CK 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005568006		
Standard Document #:		
Incremental funding for TI 36 Rev 01. 10 U.S.C. 2410a authority is hereby invoked.		
7601AA	130084715300001	\$165,500.00
LLA :		
CL 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005572452		
Standard Document #:		
Incremental funding for labor on TI 38. 10 U.S.C. 2410a authority is hereby invoked.		
9418AB	130084655100002	\$5,000.00
LLA :		
CK 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005568006		
Standard Document #:		
Incremental funding in support of TI 36 Rev 01. 10 U.S.C. 2410a authority is hereby invoked.		
9601AA	130084715300002	\$12,000.00
LLA :		
CL 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005572452		
Standard Document #:		
Incremental funding for TI 38. 10 U.S.C. 2410a authority is hereby invoked.		
MOD Funding: \$287,500.00		
Cumulative Funding: \$6,374,421.00		
N6449818F3003P00033		
7602AA	130084983200001	\$25,000.00
LLA :		
CM 1701804 7B4B 257 A5341 056521 2D C131S6 553410SR009P		
Standard Document #:		
Incremental funding for labor on TI 32 Rev 03. 10 U.S.C. 2410a Authority is hereby invoked.		

Accounting Data

9602AA 130084983200002 \$15,000.00

LLA :

CM 1701804 7B4B 257 A5341 056521 2D C131S6 553410SR009P

Standard Document #:

Incremental Funding for TI 32 Rev 03 ODCs. 10 U.S.C. 2410a authority is hereby invoked.

MOD Funding: \$40,000.00

Cumulative Funding: \$6,414,421.00

N6449818F3003P00034

7603AA 130084698300001 \$413,750.00

LLA :

CN 1701804 8C1C 251 24VCS 0 050120 2D 000000 A00005571281

Standard Document #:

Incremental funding in support of TI 37. 10 U.S.C. 2410a authority is hereby invoked.

9603AA 130084698300002 \$25,000.00

LLA :

CN 1701804 8C1C 251 24VCS 0 050120 2D 000000 A00005571281

Standard Document #:

Incremental funding in support of TI 37. 10 U.S.C. 2410a authority is hereby invoked.

MOD Funding: \$438,750.00

Cumulative Funding: \$6,853,171.00

N6449818F3003P00035

7604AA 130086119800001 \$45,790.00

LLA :

CP 1791611 C281 251 24VCS 0 050120 2D 000000 A00005680908

Standard Document #:

Incremental funding for labor in support of TI 34 Rev 01.

7604AB 130086119900001 \$45,790.00

LLA :

CQ 1791611 C281 251 24VCS 0 050120 2D 000000 A00005680909

Standard Document #:

Incremental funding for labor in support of TI 34 Rev 01.

Accounting Data

9604AA 130086119800002 \$4,000.00

LLA :

CP 1791611 C281 251 24VCS 0 050120 2D 000000 A00005680908

Standard Document #:

Incremental funding for ODCs in support of TI 34 Rev 01.

9604AB 130086119900002 \$4,000.00

LLA :

CQ 1791611 C281 251 24VCS 0 050120 2D 000000 A00005680909

Standard Document #:

Incremental funding for ODCs in support of TI 34 Rev 01.

MOD Funding: \$99,580.00

Cumulative Funding: \$6,952,751.00

N6449818F3003P00036

7605AA 130086478400001 \$102,000.00

LLA :

CR 1751611 C281 251 24VCS 0 050120 2D 000000 A00005694305

Standard Document #:

Incremental funding in support of TI 35 Rev 01.

7605AB 130086478500001 \$102,000.00

LLA :

CS 1751611 C281 251 24VCS 0 050120 2D 000000 A00005694308

Standard Document #:

Incremental funding in support of TI 35 Rev 01.

9605AA 130086478400002 \$5,500.00

LLA :

CR 1751611 C281 251 24VCS 0 050120 2D 000000 A00005694305

Standard Document #:

Incremental funding in support of TI 35 Rev 01.

9605AB 130086478500002 \$5,500.00

LLA :

CS 1751611 C281 251 24VCS 0 050120 2D 000000 A00005694308

Standard Document #:

Incremental funding in support of TI 35 Rev 01.

Accounting Data

MOD Funding: \$215,000.00

Cumulative Funding: \$7,167,751.00

N6449818F3003P00037

7601AB 130086990000001 \$540,550.00

LLA :

CT 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005722080

Standard Document #:

Incremental funding in support of TI 38 Rev 01. 10 USC 2410a authority is hereby invoked.

7602AB 130086991800001 \$118,000.00

LLA :

CU 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005722190

Standard Document #:

Incremental Funding in support of TI 32 Rev 05. 10 USC 2410a authority is hereby invoked.

7801AA 130087080000001 \$50,000.00

LLA :

CV 1701804 7B4B 257 A5341 056521 2D C160S6 553410SR011P

Standard Document #:

Incremental funding in support of TI 32 Rev 05. 10 USC 2410a authority is hereby invoked.

9601AB 130086990000002 \$35,000.00

LLA :

CT 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005722080

Standard Document #:

Incremental funding in support of TI 38 Rev 01. 10 USC 2410a authority is hereby invoked.

9801AA 130087080000002 \$5,600.00

LLA :

CV 1701804 7B4B 257 A5341 056521 2D C160S6 553410SR011P

Standard Document #:

Incremental funding in support of TI 32 Rev 05. 10 USC 2410a authority is hereby invoked.

MOD Funding: \$749,150.00

Cumulative Funding: \$7,916,901.00

Accounting Data

N6449818F3003P00038

7802AA 130087203200001 \$150,000.00

LLA :

CW 1701804 8B5B 251 24VCS 0 050120 2D 000000 A00005737258

Standard Document #:

Incremental funding in support of TI 39. 10 USC 2410a authority is hereby invoked.

MOD Funding: \$150,000.00

Cumulative Funding: \$8,066,901.00

Section H - Special Contract Requirements

5252.216-9122 LEVEL OF EFFORT - ALTERNATE 1 (MAY 2010)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in Sections B and C of this contract. The total level of effort for the performance of this contract shall be 167,184 man-hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort.

(b) Of the total man-hours of direct labor set forth above, it is estimated that 800 man-hours are uncompensated effort.

Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the Contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

(c) Effort performed in fulfilling the total level of effort obligations specified above shall only include effort performed in direct support of this contract and shall not include time and effort expended on such things as (local travel to and from an employee's usual work location), uncompensated effort while on travel status, truncated lunch periods, work (actual or inferred) at an employee's residence or other non-work locations (except as provided in paragraph (i) below), or other time and effort which does not have a specific and direct contribution to the tasks described in Sections B and C.

(d) The level of effort for this contract shall be expended evenly over the period of performance. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

(e) If, during the term hereof, the Contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total man-hours of effort specified above would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fee together with an offer, setting forth a proposed level of effort, cost breakdown, and proposed fee, for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law, regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The Contractor shall not accelerate any effort until receipt of such written approval by the Contracting Officer. Any agreement to accelerate will be formalized by contract modification.

(f) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total man-hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The Contractor shall acknowledge this order within five days of receipt.

(g) The Contractor shall provide and maintain an accounting system, acceptable to the Administrative Contracting Officer and the Defense Contract Audit Agency (DCAA), which collects costs incurred and effort (compensated and uncompensated, if any) provided in fulfillment of the level of effort obligations of this contract. The Contractor shall indicate on each invoice the total level of effort claimed during the period covered by the invoice, separately identifying compensated effort and uncompensated effort, if any.

(h) Within 45 days after completion of the work under each separately identified period of performance hereunder, the Contractor shall submit the following information in writing to the Contracting Officer with copies to the cognizant Contract Administration Office and to the DCAA office to which vouchers are submitted: (1) the total number of man-hours of direct labor expended during the applicable period; (2) a breakdown of this total showing the number of man-hours expended in each direct labor classification and associated direct and indirect costs; (3) a breakdown of other costs incurred; and (4) the Contractor's estimate of the total allowable cost incurred under the contract for the period. Within 45 days after completion of the work under the contract, the Contractor shall submit, in addition, in the case of a cost underrun; (5) the amount by which the estimated cost of this contract may be reduced to recover excess funds. All submissions shall include subcontractor information.

(i) Unless the Contracting Officer determines that alternative worksite arrangements are detrimental to contract performance, the Contractor may perform up to 10% of the hours at an alternative worksite, provided the Contractor has a company-approved alternative worksite plan. The primary worksite is the traditional "main office" worksite. An alternative worksite means an employee's residence or a telecommuting center. A telecommuting center is a geographically convenient office setting as an alternative to an employee's main office. The Government reserves the right to review the Contractor's alternative worksite plan. In the event performance becomes unacceptable, the Contractor will be prohibited from counting the hours performed at the alternative worksite in fulfilling the total level of effort obligations of the contract. Regardless of work location, all contract terms and conditions, including security requirements and labor laws, remain in effect. The Government shall not incur any additional cost nor provide additional equipment for contract performance as a result of the Contractor's election to implement an alternative worksite plan.

(j) Notwithstanding any of the provisions in the above paragraphs and subject to the LIMITATION OF FUNDS or LIMITATION OF COST clauses, as applicable, the period of performance may be extended and the estimated cost may be increased in order to permit the Contractor to provide all of the man-hours listed in paragraph (a) above. The contractor shall continue to be paid fee for each man-hour performed in accordance with the terms of the contract.

SEA 5252.232-9104 ALLOTMENT OF FUNDS– ALTERNATE I (JAN 2008)

(a) This contract is incrementally funded with respect to both cost and fee. The amounts presently available and allotted to this contract for payment of base fee, if any, and award fee are set forth below. Base fee amount is subject to the clause entitled "FIXED FEE" (FAR 52.216-8). Award fee amount is subject to the requirements delineated in. The amount(s) presently available and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this contract entitled "LIMITATION OF FUNDS" (FAR 52.232-22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

ESTIMATED

CLIN	Cost	Fixed Fee	Period of Performance
7001	\$133,079.85	\$6,920.15	21 Sept 2018-20 Sept 2019
7002	\$175,855.51	\$9,144.49	21 Sept 2018-20 Sept 2019
7003	\$170,247.15	\$8,852.85	21 Sept 2018-20 Sept 2019
7004	\$427,756.65	\$22,243.35	21 Sept 2018-20 Sept 2019

9001	\$10,000.00	n/a	21 Sept 2018-20 Sept 2019
9002	\$15,000.00	n/a	21 Sept 2018-20 Sept 2019
9003	\$19,900.00	n/a	21 Sept 2018-20 Sept 2019
9004	\$50,000.00	n/a	21 Sept 2018-20 Sept 2019

(b) The parties contemplate that the Government will allot additional amounts to this contract from time to time for the incrementally funded CLINs/SLINs by unilateral contract modification, and any such modification shall state separately the amount(s) allotted for cost, the amount(s) allotted for fee, the CLINs/SLINs covered thereby, and the period of performance which the amount(s) are expected to cover.

(c) CLINs/SLINs are fully funded and performance under these CLINs/SLINs is subject to the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20).

(d) The Contractor shall segregate costs for the performance of incrementally funded CLINs/SLINs from the costs of performance of fully funded CLINs/SLINs.

(End of Text)

5252.237-9106 SUBSTITUTION OF PERSONNEL (SEP 1990)

(a) The Contractor agrees that a partial basis for award of this contract is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this contract those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the contract. No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement.

(b) All proposed substitutes shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least forty-five (45) days, or ninety (90) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include: (1) an explanation of the circumstances necessitating the substitution; (2) a complete resume of the proposed substitute; and (3) any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

5252.242-9115 TECHNICAL INSTRUCTIONS (APR 2015)

(a) Performance of the work hereunder may be subject to written technical instructions signed by the Contracting Officer and the Contracting Officer's Representative specified in Section G of this contract. As used herein, technical instructions are defined to include the following:

(1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual statement of work.

(2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(b) Technical instructions must be within the general scope of work stated in the contract. Technical instructions may not be used to: (1) assign additional work under the contract; (2) direct a change as defined in the "CHANGES" clause of this contract; (3) increase or decrease the contract price or estimated contract amount (including fee), as applicable, the level of effort, or the time required for contract performance; or (4) change any of the terms, conditions or specifications of the contract.

(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the contract or is inconsistent with this requirement, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Contracting Officer that the technical instruction is within the scope of this contract.

(d) Nothing in the foregoing paragraph shall be construed to excuse the Contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

PD-H04 – CONTRACTOR PERSONNEL SECURITY REQUIREMENTS (AUG 2015)

a. In accordance with SECNAV M-5510.30 Chapters 5 and 6, all Contractor personnel that require access to Department of Navy (DON) information systems and/or work on-site are designated Non-Critical Sensitive/IT-II positions, which require an open investigation or favorable adjudicated National Agency Check (NACLC) by the Industrial Security Clearance Office (DISCO). Investigations should be completed using the SF-86 Form and the SF-87 finger print card. An interim clearance can be granted by the company Security Officer and recorded in the Joint Personnel Adjudication System (JPAS). An open or closed investigation with a favorable adjudication is required prior to issuance of a badge providing access to NSWCPD sites and buildings. If an unfavorable adjudication is determined by DISCO all access will be terminated. For Common Access Card (CAC) card you must have a completed investigation that has been favorably adjudicated or a final security clearance. A CAC Card will not be issued to contractors who have an interim security clearance.

b. Contractor personnel that require a badge to work on-site at one of the NSWCPD sites must provide an I-9 form to verify proof of citizenship. The I-9 form should be signed by the company Facility Security Officer or the company Human Resource Department. In addition to the I-9 form, Contractors shall also bring their birth certificate, current United States Passport or naturalization certificate and state issued ID to the NSWCPD Security Officer at the time of badge request to verify citizenship. Finally, contractors shall supply a copy of their OPSEC Training Certificate or other proof that the training has been completed.

c. Construction badges for contractor personnel that work on-site at one of the NSWCPD sites will be good for 60 days.

d. A Facility Access Determination (FAD) will be completed on any contractor that does not have a favorable adjudicated investigation in JPAS and is requesting swipe/non-swipe access to our buildings in excess of 120 days. Any contractor that has unfavorable information that has not been favorably adjudicated by Department of Defense Central Adjudication Facility (DOD CAF) will not be issued a badge.

e. Within 30 days after contract award, the Contractor shall submit a list of all Contractor personnel, including subcontractor employees, who will have access to DON information systems and/or work on-site at one of the NSWCPD sites to the appointed Contracting Officer Representative (COR) via email. The Contractor shall provide each employee's first name, last name, contract number, the NSWCPD technical code, work location, whether or not the employee has a CAC card and/or swipe card, the systems the employee can access (i.e., NMCI, RDT&E), and the name of the Contractor's local point of contact, phone number and email address. Throughout the period of performance of the contract, the Contractor shall immediately provide any updated information to the COR when

any Contractor personnel changes occur including substitutions or departures.

5252.227-9113 GOVERNMENT-INDUSTRY DATA EXCHANGE PROGRAM (APR 2015)

(a) The Contractor shall participate in the appropriate interchange of the Government-Industry Data Exchange Program (GIDEP) in accordance with GIDEP PUBLICATION 1 dated April 2008. Data entered is retained by the program and provided to qualified participants. Compliance with this requirement shall not relieve the Contractor from complying with any other requirement of the contract.

(b) The Contractor agrees to insert paragraph (a) of this requirement in any subcontract hereunder exceeding \$500,000.00. When so inserted, the word "Contractor" shall be changed to "Subcontractor".

(c) GIDEP materials, software and information are available without charge from:

GIDEP Operations Center

P.O. Box 8000

Corona, CA 92878-8000

Phone: (951) 898-3207

FAX: (951) 898-3250

Internet: <http://www.gidep.org>

(End of Text)

5252.237-9106(A) - SUBSTITUTION OF PERSONNEL-KEY PERSONNEL LIST (PD-H05) (FEB 2016)

In accordance with "5252.237-9106 Substitution of Personnel (SEP 1990)", the list of Key Personnel for this award is as follows:

Labor Categories Name

a. Manager, Program/Project I - (1): Michael Mayle

b. Engineer, Systems I- (1): **Changes from Aakash Mehta to Kenneth Wilkinson**

c. Engineer, Systems II - (1): Jeff Kobilka, Dominic DiPaola

d. Engineer II - (1): Joel Daniel, Theresa deLise, Matthew Brenner, Barry Tomasetti, **(add) Philip Carrington**

e. Engineer, Computer II - (1): Travis Neff, Phil Foster

(End of Text)

PD-H06 - Ombudsman Description (FEB 2016)

The Local Warfare Center Site Deputy for Small Business has been designated as the NAVSEA and related Program Executive Offices Ombudsman for this contract. The NSWCPDOmbudsman will review complaints from the contractors and ensure that all contractors are afforded a fair opportunity to be considered, consistent with the procedures in the contract. Complaints to the NSWCPDOmbudsman must be forwarded to:

Mr. Graham Irby

Email: graham.irby@navy.mil

Telephone: 215-897-7596

(End of Text)

Section I - Contract Clauses

09RA 52.217-9 -- OPTION TO EXTEND THE TERM OF THE CONTRACT. (MAR 2008)

- (a) The Government may extend the term of this contract by written notice to the Contractor within 30 days prior to completion of the base period; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.
- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- (c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed five years.

52.222-2 PAYMENT FOR OVERTIMEPREMIUMS (JUL 1990)

- (a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed \$23,020.80.
- 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, stand by plant protection, operation of utilities, or accounting;
 - (3) To perform tests, industrial processes, laboratory procedures, loading orun loading of transportation conveyances, and operations in flight or afloat hat 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 there 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.

(End of Clause)

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:

CONTRACTS WITH ANY FIRM NOT INCLUDED WITH THE PROPOSAL FOR THE PERFORMANCE OF SERVICES

(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 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:

ALL SUBCONTRACT AND TEAMING AGREEMENTS SUBMITTED WITH THE PROPOSAL

(End of Clause)

252.237-7023 Continuation of Essential Contractor Services.

CONTINUATION OF ESSENTIAL CONTRACTOR SERVICES (OCT 2010)

(a) *Definitions.* As used in this clause—

(1) “Essential contractor service” means a service provided by a firm or individual under contract to DoD to support mission-essential functions, such as support of vital systems, including ships owned, leased, or operated in support of military missions or roles at sea; associated support activities, including installation, garrison, and base support services; and similar services provided to foreign military sales customers under the Security Assistance Program. Services are essential if the effectiveness of defense systems or operations has the potential to be seriously impaired by the interruption of these services, as determined by the appropriate functional commander or civilian equivalent.

(2) “Mission-essential functions” means those organizational activities that must be performed under all circumstances to achieve DoD component missions or responsibilities, as determined by the appropriate functional commander or civilian equivalent. Failure to perform or sustain these functions would significantly affect DoD’s ability to provide vital services or exercise authority, direction, and control.

(b) The Government has identified all or a portion of the contractor services performed under this contract as essential contractor services in support of mission essential functions. These services are listed in attachment **(to be identified through the issuance of technical instructions)**, Mission-Essential Contractor Services, dated **Not Applicable**.

(c)(1) The Mission-Essential Contractor Services Plan submitted by the Contractor, is incorporated in this contract.

(2) The Contractor shall maintain and update its plan as necessary. The Contractor shall provide all plan updates to the Contracting Officer for approval.

(3) As directed by the Contracting Officer, the Contractor shall participate in training events, exercises, and drills associated with Government efforts to test the effectiveness of continuity of operations procedures and practices.

(d)(1) Notwithstanding any other clause of this contract, the contractor shall be responsible to perform those services identified as essential contractor services during crisis situations (as directed by the Contracting Officer), in accordance with its Mission-Essential Contractor Services Plan.

(2) In the event the Contractor anticipates not being able to perform any of the essential contractor services identified in accordance with paragraph (b) of this section during a crisis situation, the Contractor shall notify the Contracting Officer or other designated representative as expeditiously as possible and use its best efforts to cooperate with the Government in the Government’s efforts to maintain the continuity of operations.

(e) The Government reserves the right in such crisis situations to use Federal employees, military personnel or contract support from other contractors, or to enter into new contracts for essential contractor services.

(f) Changes. The Contractor shall segregate and separately identify all costs incurred in continuing performance of essential services in a crisis situation. The Contractor shall notify the Contracting Officer of an increase or decrease in costs within ninety days after continued performance has been directed by the Contracting Officer, or within any additional period that the Contracting Officer approves in writing, but not later than the date of final

payment under the contract. The Contractor's notice shall include the Contractor's proposal for an equitable adjustment and any data supporting the increase or decrease in the form prescribed by the Contracting Officer. The parties shall negotiate an equitable price adjustment to the contract price, delivery schedule, or both as soon as is practicable after receipt of the Contractor's proposal.

(g) The Contractor shall include the substance of this clause, including this paragraph (g), in subcontracts for the essential services.

(End of Clause)

CLAUSES INCORPORATED BY REFERENCE:

52.203-13 CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT (OCT 2015)

52.203-19 PROHIBITION ON REQUIRING CERTAIN INTERNAL CONFIDENTIALITY AGREEMENTS OR STATEMENT (JAN 2017)

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

52.204-21 BASIC SAFEGUARDING OF COVERED CONTRACTOR INFORMATION SYSTEMS (JUN 2016)

52.204-22 ALTERNATIVE LINE ITEM PROPOSAL (JAN2017)

52.204-7009 LIMITATIONS ON THE USE OR DISCLOSURE OF THIRD-PARTY CONTRACTOR REPORTED CYBER INCIDENT INFORMATION (OCT 2016)

52.209-10 PROHIBITION ON CONTRACTING WITH INVERTED DOMESTIC CORPORATIONS (NOV 2015)

52.211-15 DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (APR 2008)

52.215-8 ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (OCT 1997)

52.216-8 FIXED FEE (JUN 2011)

52.219-6 NOTICE OF TOTAL SMALL BUSINESS SETASIDE (NOV 2011)

52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS (NOV 2016)

52.222-19 CHILD LABOR—COOPERATION WITH AUTHORITIES AND REMEDIES (OCT 2016)

52.222-50 COMBATING TRAFFICKING IN PERSONS (MAR 2015)

52.224-3 PRIVACY TRAINING (JAN 2017)

52.237-2 PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION (APR 1984)

52.242-5 PAYMENTS TO SMALL BUSINESS SUBCONTRACTORS (JAN 2017)

FAR 52.245-1 Government Property

FAR 52.245-9 Use and Charges

52.247-63 PREFERENCE FOR U.S.-FLAG AIR CARRIERS (JUN 2003)

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

DFARS 252.211-7007 Reporting of GFP

252.227-7025 LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS (MAY 2013)

252.232-7003 ELECTRONIC SUBMISSION OF PAYMENT REQUESTS AND RECEIVING REPORTS (JUN 2012)

252.203-7003, Agency Office of the Inspector General (DEC 2012)

252.204-7005 Oral Attestation of Security Responsibilities (NOV 2001)

DFARS 252.245-7001- Tagging, Labeling and marking of GFP

252.245-7002 Reporting Loss of Government Property (DEVIATION 2020-O0004).

DFARS 252.245-7003 -Contractor Property Management System Administration

DFARS 252.245-7004- Reporting, Reutilization and Disposal

Section J - List of Attachments

Attachment 1 CDRL A001 Contract Status Report

Attachment 2 CDRL A002 Travel Trip Report

Attachment 3 CDRL A003 Other Direct Cost Report

Attachment 4 CDRL A004 Contractor Personnel Roster

Attachment 5 DD254

Attachment Number	File Name	Description
	Attachment2.2CDRLA002TravelTripReport.pdf	Attachment2.2CDRL
	Attachmnet2.4CDRLA004ContractorPersonnelRoster.pdf	Attachment2.4CDRL
	Attachment2.1CDRLA001CONTRACTSTATUSREPORT.pdf	Attachment2.1CDRL
	Attachment2.3CDRLA003OtherDirectCostReport.pdf	Attachment2.3CDRL
	Attachment4DD25418- JWM-007512HMECONTROLSYSTEMS.pdf	Attachment4DD254
	FinalDD254GreenXT.pdf	Exhibit A:DD Form 254 - Contract Security Classification Specification