

Section C – 0100000  
General Information

<b>0100000 – General Information</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Outline of Services
1.2	Project Location
1.3	Acquisition of Additional Work
1.4	Background Information
1.5	Verification of Workload and Conditions
1.6	Climate Patterns
1.7	Related Information
1.8	Navy Approach to Service Contracting
1.8.1	Partnering Philosophy
1.8.2	Contractor's Knowledge
1.8.3	Industry Best Practices
1.9	Standard Template
1.10	Navy PBSA Approach
1.11	Technical Proposal Certification

Section C – 0100000  
General Information

<b>0100000 – General Information</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	
1.1	Outline of Services	<p>Except where otherwise stated, the Contractor shall furnish all labor, supervision, management, tools, materials, equipment, facilities, transportation, incidental engineering, and other items necessary to provide the services outlined below and described in this Performance Work Statement (PWS) at Naval Air Station Jacksonville, Florida; Bureau of Medicine and Surgery (BUMED) Jacksonville, Florida; and the outlying areas supported by these commands by means of a combination Recurring and Non-recurring work. The PWS is organized into annexes. Annex 1 is "General Information". Annex 2 contains the on-site project management and administration requirements. Annexes 3 through 18 contain the technical requirements. The annex numbers are identified as 1 through 18 in the description column, but the full expanded annex numbers include seven digits (e.g., Annex 1 expanded number is 0100000 as shown in the header row at the top of this page).</p> <p>Annex 1 General Information  Annex 2 Management and Administration  Annex 3 Command and Staff N/A  Annex 4 Public Safety N/A  Annex 5 Air Operations N/A  Annex 6 Port Operations N/A  Annex 7 Ordnance N/A  Annex 8 Range Operations N/A  Annex 9 Health Care Support N/A  Annex 10 Supply N/A  Annex 11 Personnel Support N/A  Annex 12 Morale, Welfare and Recreation Support N/A  Annex 13 Galley N/A  Annex 14 Housing N/A  Annex 15 Facilities Support      1502000 Facility Investment      1502000 Facility Investment – BUMED      1503040 Other (Training Pools)  Annex 16 Utilities      1601000 Utilities Management      1602000 Electrical      1604000 Wastewater      1605000 Steam      1606000 Water      1608000 Compressed Air  Annex 17 Base Support Vehicles and Equipment  Annex 18 Environmental</p>
1.2	Project Location	<p>The work shall be performed at various locations and could vary from location to location. The following is an example of the dispersion of work at the various locations:</p> <p>1) Naval Air Station Jacksonville including: Cecil Commerce Center, Outlying Landing Field Whitehouse, Yellow Water Housing Area and Pine Castle Range located in Florida’s Clay and Marion Counties:</p> <ul style="list-style-type: none"> <li>• Facility Investment</li> <li>• Other (Training Pools)</li> <li>• Utilities Management</li> <li>• Electrical</li> </ul>

Section C – 0100000  
General Information

0100000 – General Information		
Spec Item	Title	Description
		<ul style="list-style-type: none"> <li>• Wastewater</li> <li>• Steam</li> <li>• Water</li> <li>• Compressed Air</li> <li>• Base Support Vehicles and Equipment</li> <li>• Environmental</li> </ul> <p>2) Bureau of Medicine and Surgery (BUMED) including: Naval Hospital and associated clinics at Naval Air Station Jacksonville, Florida and Naval Station Mayport, Florida:</p> <ul style="list-style-type: none"> <li>• Facility Investment - BUMED</li> </ul>
1.3	Acquisition of Additional Work	The Government reserves the right to acquire additional services at additional locations in addition to the services and locations identified in the Recurring Work Price requirements of this contract. Additional services will be incorporated into the contract in accordance with the CHANGES clause, SECTION I or ordered under the Non-recurring Work provisions of the contract. Items of work not covered by this contract but within the general intent are considered in the scope of this contract.
1.4	Background Information	<p>Naval Air Station Jacksonville is located on the St. Johns River in Duval County, Florida. Naval Air Station Jacksonville is one of the Navy’s finest and fastest growing installations and is the recipient of the 2012 Presidential Excellence Award and 2013 Commander, Navy Installations Command Excellence Award. The Naval Air Station occupies 3,896 acres and is the largest Navy base in the Southeast Region and third largest in the nation. As a master air and industrial base, Naval Air Station Jacksonville supports U.S. and allied forces specializing in anti-submarine warfare and training of the best aviators in the world.</p> <p>The Navy Bureau of Medicine and Surgery Jacksonville is the headquarters command for Navy Medicine. Navy Medicine provides high quality, economical health care to beneficiaries in wartime and in peacetime. Highly trained Navy Medicine personnel deploy with Sailors and Marines worldwide - providing critical mission support aboard ship, in the air, and on the battlefield. At the same time, Navy Medicine's military and civilian health care professionals are providing care for uniformed services' family members and retirees at military treatment facilities around the globe.</p>
1.5	Verification of Workload and Conditions	Throughout the PWS, the workload data is generally referred to as being located in Section J. Section J provides data; such as: systems descriptions, maps, floor plans, and tables to represent the type, quantity and location of services to be provided. However, offerors are encouraged to visit the project site during the site visit for offerors and to visit the technical library during posted hours as part of its due diligence to assess the nature of work and conditions under which work is to be performed.
1.6	Climate Patterns	<p>The climate in northeast Florida is generally temperate. Summers are long and warm with an average relative humidity of about 75 percent. Winters, although punctuated with periodic invasions of cool to occasionally cold air from the north, are mild because of the southern latitude and the proximity to the warm Atlantic Ocean.</p> <p>The annual average temperature in northeast Florida is 68 °F (degrees Fahrenheit). June, July, and August are the hottest months; with temperatures averaging above 90 °F. December, January, and February are the coolest months, with temperatures averaging near the middle 50s. Temperatures exceed 95 °F during the summer months and evening temperatures are usually</p>

Section C – 0100000  
General Information

<b>0100000 – General Information</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>comfortable, falling below 75 °F.</p> <p>The greatest rainfall, mostly in the form of local thunderstorms, occurs during the summer months when measurable amounts can be expected. Summer thunderstorms usually occur before noon along the beaches, while afternoon thunderstorms are the rural inland areas.</p> <p>The Naval Stations proximity to the Atlantic Ocean and Gulf Stream makes it susceptible to Tropical Cyclones and their effects. The official Tropical Cyclone season begins June 1st and ends November 30th of each year. Although, Tropical Cyclones have been known to develop as early as May and as late as December. The peak period of Tropical Cyclone is August through October. It is during this period that storm frequency and intensity increases.</p>
1.7	Related Information	<p>There are four types of Related Information that can be found in the Description and Related Information columns of the specification as follows:</p> <p>Informational Notes as used throughout this PWS provides additional information to offerors to be used in developing a thorough understanding of the work to be performed in this contract. Any block of text marked “Informational Notes” throughout Annexes 1 through 18 is subject to this disclaimer. Offerors may not rely upon the "Informational Notes" as material representations of the Government. Information provided in "Informational Notes" does not create a contractual requirement on either party to this contract.</p> <p>Clarifying Information describes client expectations in a more detailed manner than the Performance Objective and Performance standard alone.</p> <p>Constraining Information describes limitations to the work performed to meet the Performance Objective and Performance Standard.</p> <p>Requirement Information further describes client requirements associated with each Performance Objective.</p>
1.8	Navy Approach to Service Contracting	<p>The Department of Navy (DoN) spends over \$1 billion in annual obligations to meet global requirements for facility operations and maintenance provided through Facility Support Contracts (FSC) and additional billions to provide other base operations support services (OBOS). The Head of the Contracting Activity (HCA) of the Naval Facilities Engineering Command (NAVFAC) has focused increased attention on re-engineering FSC contracts in response to customer and industry feedback, budget constraints, and the impact of a variety of contracting, program management and financial management regulations. The Navy also supports the following principles:</p>
1.8.1	Partnering Philosophy	<p>The first principle is that the Navy views its contractors as partners and not just abstract service providers. The Navy wants its contractors to succeed because partners' success drives the Navy's successful mission completion. Within the bounds of acquisition policy the Navy intends to work to find solutions that will be beneficial to both the Government and its partners.</p>
1.8.2	Contractor's Knowledge	<p>The second principle is that the Navy will receive insightful management from its contractors. This management will include the knowledge, skills, authority and willingness to use contractor resources to find better ways of serving Navy clients' strategic and operational goals and objectives. The Navy's use of performance-based objectives evidences this principle. Although performance work statements will typically contain several levels of performance assessment, the Navy wants its contractors to exercise maximum discretion</p>

Section C – 0100000  
General Information

<b>0100000 – General Information</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		within bounds of prudent risk management to adjust processes and resources needed to reach specified objectives at the highest performance level.
1.8.3	Industry Best Practices	The third principle is that the Navy will adopt industry best commercial practices and maintain state-of-the-art service delivery. It is the Navy's and contractor's responsibility as partners to reach this goal. To that end, the Navy's emphasis will be in evaluating performance objectives (end results).
1.9	Standard Template	<p>Key to implementing a programmatic approach is using a standard template that ensures Navy-wide consistency yet affords appropriate tailoring to meet local needs. This contract conforms to the standard template and has been tailored for this solicitation. NAVFAC intends to use this template-based approach for future service contracts. Offerors should develop an understanding of the template as part of performing due diligence in reaching an understanding of the Navy's requirements and expectations.</p> <p>The standard template contains 18 standard annexes. Annex 1 will always contain information that is relevant to the entire scope of the contract. Annex 2 contains on-site project management and administration requirements that are relevant to the entire scope of the contract. Annexes 3 through 18 contain the technical information and requirements peculiar to that technical annex. Within each technical annex, the organization of information and requirements are also standardized. Specification item 1 will always contain General Information. Specification item 2 will always contain the management and administrative requirements. Specification item 3 will always contain the Recurring Work requirements. Specification item 4 will always contain the Non-recurring Work requirements. Requirements and standards for higher level specification items apply to all subordinate specification items, e.g., Specification Item 3 standards apply to all firm fixed priced specification items. Specification Item 3.1 is applicable to all 3.1 subordinate specification items. Specification Items 3.2 and 3.3 are not considered subordinate to 3.1. All costs associated with Annexes 1 and 2 and Specification items 1 and 2 must be priced and distributed within Specification Item 3 of Annexes 3 through 18.</p>
1.10	Navy PBSA Approach	The Navy's approach to performance-based service acquisition (PBSA) includes four component parts which are 1) performance outcomes, 2) measurable standards, 3) consideration of incentives, and 4) performance assessment plan.
1.11	Technical Proposal Certification	The Contractor warrants that its proposal incorporated herein by reference will meet or exceed the performance objectives set forth in this contract.

Section C – 0200000  
Management and Administration

<b>0200000 – Management and Administration</b>	
<b>Spec Item</b>	<b>Title</b>
2	Management and Administration
2.1	Definitions and Acronyms
2.2	General Information
2.2.1	Government Regular Working Hours
2.2.1.1	Observed Federal Holidays
2.2.1.2	Restriction to Contractor Working Hours
2.2.2	Wage Determinations
2.2.3	Requirements Hierarchy
2.3	General Administrative Requirements
2.3.1	Required Conferences and Meetings
2.3.2	Training for Maintenance and Operation of New and Replacement Systems and Equipment
2.3.3	Partnering
2.3.3.1	Formal Partnering
2.3.3.2	Contract Partnering Administration
2.3.3.3	Contract Partnering Session Attendees
2.3.4	Permits and Licenses
2.3.5	Insurance
2.3.5.1	Certificate of Insurance
2.3.5.2	Minimum Insurance Amounts
2.3.6	Protection of Government Property
2.3.7	Directives, Instructions, and References
2.3.8	Invoicing Procedures
2.3.9	Forms
2.4	Government-Furnished Property, Materials and Services
2.4.1	Government-Furnished Facilities (GFF)
2.4.2	Government-Furnished Utilities
2.4.3	Government-Furnished Material
2.4.4	Government-Furnished Equipment
2.5	Contractor-Furnished Items
2.6	Management
2.6.1	Work Reception
2.6.2	Work Control
2.6.3	Work Schedule
2.6.4	Deliverables
2.6.5	Service Interruptions
2.6.6	Government's Computerized Maintenance Management Systems (CMMS)
2.6.6.1	System Access
2.6.6.2	Inventories and Workload Data
2.6.7	Quality Management System (QMS)
2.6.7.1	Quality Management (QM) Plan
2.6.7.2	Quality Inspection and Surveillance
2.6.7.3	Quality Inspection and Surveillance Report
2.6.8	Property Management Plan
2.6.9	System and Equipment Replacement
2.7	Personnel Requirements
2.7.1	Key Personnel
2.7.1.1	Project Manager (PM)
2.7.1.2	Quality Manager
2.7.1.2.1	Quality Control Personnel
2.7.1.3	Site Safety and Health Officer (SSHO)
2.7.1.4	Environmental/Energy Manager

Section C – 0200000  
Management and Administration

<b>0200000 – Management and Administration</b>	
<b>Spec Item</b>	<b>Title</b>
2.7.1.5	Transportation Manager
2.7.1.6	WHE Operation and Maintenance Manager
2.7.1.7	Utility Supervisor
2.7.1.8	MCSF-BI Site manager
2.7.2	Employee Requirements
2.7.2.1	Employee Certification and Training
2.7.2.1.1	Indoctrination and Environmental Training
2.7.2.2	Employee Appearance
2.7.2.3	Employee Conduct
2.7.2.4	Identification as Contractor Employee
2.7.2.5	Removal of Employees
2.7.2.7	Proof of Legal Residency
2.7.3	Enterprise-wide Contractor Manpower Reporting Application (eCMRA)
2.8	Security Requirements
2.8.1	Employee Listing
2.8.2	Vehicles
2.8.3	Passes and Badges
2.8.4	Access to Installation
2.8.4.1	NCACS Program
2.8.4.2	One-Day Passes
2.8.5	Access to Buildings
2.8.6	Access Arrangements
2.8.6.1	Escort Arrangement for Secured Areas
2.8.6.2	Airfield Vehicle Operations
2.8.7	Security Clearances
2.8.8	Access to Sensitive Unclassified Information
2.8.9	Employee Status
2.8.10	Access to Navy Marine Corp Intranet (NMCI)
2.8.11	Cameras and Recording Devices
2.9	Contractor Safety Program
2.9.1	Subcontractor Safety Requirements
2.9.1.1	Experience Modification Rate (EMR)
2.9.1.2	OSHA Days Away From Work, Restricted Duty, or Job Transfer (DART) Rate
2.9.2	Accident Prevention Plan (APP)
2.9.3	Crane Operations
2.9.3.1	Crane Inspections
2.9.3.2	Rigging Gear
2.9.3.3	Crane Operators
2.9.4	Accident and Damage Reporting
2.9.4.1	Accident Reporting and Notification Criteria
2.9.5	Fire Protection
2.9.6	Monthly On-Site Labor Report
2.9.7	OSHA Citations and Violations
2.9.8	Safety Inspections and Monitoring
2.9.9	Safety Certification
2.9.10	Safety Apparel on Jobsites
2.9.11	Emergency Medical Treatment
2.10	Environmental Management and Sustainability
2.10.1	Energy Management Program
2.10.1.1	Water Conservation Plan
2.10.1.2	Energy Efficient Products

Section C – 0200000  
Management and Administration

<b>0200000 – Management and Administration</b>	
<b>Spec Item</b>	<b>Title</b>
2.10.2	Environmental Protection
2.10.2.1	Sampling, Testing and Laboratory Services
2.10.2.2	ODS Requirements for Refrigerant Recycling
2.10.2.3	Solid Waste Management and Recycling
2.10.2.4	Non-Regulated Waste Disposal
2.10.2.5	Regulated Waste Disposal
2.10.2.6	Universal Waste
2.10.2.7	Spill Prevention, Containment, and Clean-up
2.10.2.8	Hazardous Material Management
2.10.2.9	Protection of Endangered and Threatened Species (Flora and Fauna)
2.10.2.10	Noise Control
2.10.2.11	Salvage
2.10.2.12	Asbestos Containing Material (ACM)
2.10.2.13	Protection of Cultural Resources
2.10.2.14	Storm Water Pollution Prevention
2.10.2.15	Fuel Storage Tanks
2.10.2.16	Clean Air Act (CAA)
2.10.2.17	Dewatering
2.10.3	Sustainable Procurement and Practices
2.10.3.1	Environmentally Preferable Products
2.10.3.2	Use of Recovered Materials
2.10.3.3	Use of Bio-based Products
2.11	Disaster Preparedness
2.12	Technical Library
2.13	Warranty Management
2.14	Recurring Work Procedures
2.14.1	Notification to the Government for Work Above the Recurring Work Limitations
2.14.2	Recurring Work Exhibit Line Item Numbers (ELINS)
2.15	Non-Recurring Work
2.15.1	Unit Priced Task (UPT) Work (Non-Negotiated)
2.15.1.1	Acceptance and Performance
2.15.1.2	Invoicing and Receiving Payment
2.15.2	Unit Priced Labor (UPL) Work (Negotiated)
2.15.2.1	Non-Recurring Work Preparation of Proposals
2.15.2.1.1	Labor Requirements
2.15.2.1.2	Material and Equipment Requirements
2.15.2.2	Issuance of Final Task Order
2.15.3	Non-Recurring Work ELINS

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-0200000-01.
2.2	General Information	
2.2.1	Government Regular Working Hours	The Government's regular working hours are from 0700-1600, five days per week, Monday through Friday, except observed Federal holidays. Exceptions to the regular hours of operation are detailed in subsequent sections of this PWS. Work in certain annexes or sub-annexes require Contractor continuous operations, 24 hours a day, every day of the year including holidays. The performance of other work requirements shall be accomplished within the Government's regular working hours unless the specific work requirement specified herein necessitates otherwise. Any other work outside Government regular working hours requires prior KO approval.
2.2.1.1	Observed Federal Holidays	The Government observes the following holidays: New Year's Day, Martin Luther King Jr.'s Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day.
2.2.1.2	Restriction to Contractor Working Hours	If the Contractor wishes to work outside of the Government's regular working hours for the Contractor's convenience, the Contractor shall submit a written Request to Work Outside Government's Regular Working Hours per Section F. Excludes work to be performed during specified hours.
2.2.2	Wage Determinations	Placeholder for Collective Bargaining Agreements, Service Contract Labor Standards and Wage Rate Requirements wage determinations provided in J-0200000-02.
2.2.3	Requirements Hierarchy	Requirements or definitions specified in each spec item of this contract apply to subordinate paragraphs. For example, requirements shown in spec item 3.1 would apply to spec items 3.1.1, 3.1.2, 3.1.2.1 and so on.  Likewise, Performance Standards specified at a lower digit level (i.e. spec item 3.1.1, 3.1.2, 3.1.2.1) apply when performance is assessed at a higher tier (i.e., spec item 3.1) based on the composite work requirements.
2.3	General Administrative Requirements	
2.3.1	Required Conferences and Meetings	The Contractor shall attend administrative and coordination meetings. The Contractor shall provide sign-in sheets and prepare minutes of all meetings and submit a copy to the KO, COR and all attendees, within two working days, for review and comments. Comments received within two working days shall be incorporated into the minutes and a copy of the final revision shall be submitted to the KO, COR and all attendees, within two working days, for concurrence. Historically, there have been approximately four meetings per week.  The Contractor shall attend meetings as shown in J-0200000-03.
2.3.2	Training for Maintenance and Operation of New and Replacement	When construction, renovation, or repair work is performed by means other than this contract, the Contractor shall attend Government provided training, as applicable, for maintenance and operation of new and replacement systems and equipment at no additional cost to the Government.

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	Systems and Equipment	
2.3.3	Partnering	<p>To increase the likelihood of successful performance of this contract, the Government requires cohesive partnerships with its Contractors and subcontractors. Key stakeholders, including the supported commands who will receive services, principal individuals from NAVFAC, the performance assessment team, and representative(s) of the installation(s) will be invited to participate in the partnering process. Key members of the prime and subcontractors teams, including senior management personnel must participate. The partnership will draw on the strength of each organization in an effort to achieve quality contract services done right the first time, within the contract price, as scheduled, and without any safety mishaps.</p> <p>Partnering should accomplish three goals:</p> <ul style="list-style-type: none"> <li>- The first goal is to develop a cohesive team with common purpose, commitment and established communication processes.</li> <li>- The second goal of partnering is contract specific, identifying risks and opportunities for the team to address.</li> <li>- The third goal is to sustain the Partnership throughout the contract by identifying and addressing issues that affect the Partnership.</li> </ul>
2.3.3.1	Formal Partnering	<p>The initial session should be scheduled concurrent with the Pre-Performance Conference and held no later than 30 days after award. The initial Partnering Meeting will be at least one day in duration and held at a neutral location off the installation that is acceptable to the Contractor and to the Government. Follow-on sessions should be scheduled every three to six months and typically last a half day or less. The frequency, duration, and locations of follow-on sessions should be agreed to by both parties during the initial Partnering Meeting. The Contractor shall pay all costs associated with the partnering effort including facilitator, meeting room, and other incidental items. Before the partnering session, the Contractor shall coordinate with the facilitator the requirements for incidental items (audio-visual equipment, computer(s), two easels, flipchart paper, colored markers, note paper, pens/pencils, colored flash cards, etc.) and have these items available at the partnering session. The Contractor will provide copies of any documents used for the Partnering Meeting for distribution to all attendees. The facilitator must be acceptable to both the Contractor and the Government. The participants shall pay their own costs for meals, lodging, and transportation associated with partnering.</p>
2.3.3.2	Contract Partnering Administration	<p>Upon award, the ACO will contact the Contractor, supported command(s), Region, and Installation(s) stakeholders, and the performance assessment team to discuss implementation of partnering. A partnership agreement, The Charter, should be in place as early as possible so issues arising, even before work begins, can be resolved using the issues resolution process. Replacement of Core Management Team members (stakeholders who attended the initial session and manage the contract work day-to-day) is discouraged since it will disrupt the synergy that has been developed. If replacement of a team member proves to be unavoidable, a follow-on partnering session must be held to officially turn the responsibilities of the position over to the new member.</p> <p>The Core Management Team consisting of the attendees below must be present during the initial and all follow-on partnering sessions. These are the core mandatory attendees. Other stakeholders may attend if they desire or as recommended by the partners.</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2.3.3.3	Contract Partnering Session Attendees	The Contractor shall bring the necessary personnel to successfully partner on this contract. Asterisk indicates mandatory personnel. * President/Vice President * Project Manager * Quality Manager * Site Safety and Health Officer * Environmental/Energy Manager Sub-contractor Reps
2.3.4	Permits and Licenses	The Contractor shall obtain all required permits, licenses, and authorizations to perform work under this contract and comply with all the applicable Federal, state and local laws and regulations. The Contractor shall submit copies of Permits and Licenses per Section F.
2.3.5	Insurance	The Contractor shall submit a Certificate of Insurance per Section F as evidence of the existence of the following insurance coverage in amounts not less than the amounts specified below in accordance with the FAR Clause 52.228-5, INSURANCE – WORK ON A GOVERNMENT INSTALLATION. This insurance shall be maintained during the performance period.
2.3.5.1	Certificate of Insurance	The Certificate of Insurance shall provide for at least 30 calendar days written notice to the KO by the insurance company prior to cancellation or material change in policy coverage. Other requirements and information are contained in the aforementioned insurance clause.
2.3.5.2	Minimum Insurance Amounts	The Contractor shall procure and maintain, during the entire period of performance under this contract, the following minimum insurance coverage: Comprehensive General Liability: \$500,000 per occurrence  Automobile Liability: \$200,000 per person, \$500,000 per occurrence, \$20,000 per occurrence for property damage  Workmen's Compensation: As required by Federal and state worker's compensation and occupational disease statutes  Employer's Liability coverage: \$100,000, except in states where worker's compensation may not be written by private carriers  Other as required by state law
2.3.6	Protection of Government Property	During execution of the work, the Contractor shall protect Government property. The Contractor shall return areas damaged as a result of negligence under this contract to their original condition at no cost to the Government.
2.3.7	Directives, Instructions, and References	Department of Defense (DoD), Secretary of the Navy (SECNAV), Chief of Naval Operations (OPNAV), and other applicable Directives, Instructions, and References are listed in J-0200000-04. The Contractor shall comply with the most current version of directives, instructions, and references including versions published during the term of the contract.
2.3.8	Invoicing Procedures	Refer to DFARS Clauses 252.232-7003 titled "Electronic Submission of Payment Request." and 252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013).
2.3.9	Forms	Forms referenced in this Annex, e.g. accident reporting, and damage reporting are included among the Forms in J-0200000-05.
2.4	Government-Furnished Property	In accordance with Section H paragraph H.10 Govt-Furnished Property and the following paragraphs, the Government will furnish or make available to the Contractor certain Government-owned facilities, utilities, materials and equipment for use only in connection with this contract as stated below:

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2.4.1	Government-Furnished Facilities (GFF)	<p>The Government will furnish or make available to the Contractor the facilities described in J-0200000-06, and as identified throughout the contract document. The Contractor shall maintain all shops, material storage, buildings, structures, and all areas furnished for the performance of this contract in a clean, neat, orderly and sanitary condition.</p> <p>If the Contractor wants to make any modifications or alterations to Government furnished facilities, the Contractor shall obtain written approval from the KO before beginning work. All modifications or alterations approved by the Government will be made at the expense of the Contractor. At the completion or termination of the contract, all facilities shall be returned to the Government in the same condition as received, except for reasonable wear and tear and for approved modifications or alterations performed.</p> <p>Government-Furnished Facilities shall not be utilized to accomplish maintenance or repairs on Contractor owned vehicles and equipment.</p>
2.4.2	Government-Furnished Utilities	<p>The Government will furnish electricity, water and wastewater (sewage) at existing outlets required for the work to be performed under the contract at the Contractor's expense. The Contractor shall provide and maintain, at its expense, the necessary service lines from the existing Government outlets to the work site. Provide and maintain backflow prevention devices on connections to domestic water lines and electrical transformer provisions on connections to electric lines. Meet all Federal, State, local, and installation codes and regulations for backflow prevention devices and electrical transformer provisions. Services required by the Contractor, for which there are no available Government outlets, shall be provided by the Contractor at no cost to the Government.</p> <p>The Contractor is responsible for the cost of all utilities at all Government-provided offices, warehouses and any additional Contractor-owned storage facilities, at prevailing Naval Station rates. The Contractor will be billed directly for all utilities provided to all Contractor occupied facilities. Utility rates billed to the Contractor will be at the following rates. The quantities will be estimated where meters are not provided based on UFC 3-401-05N.</p> <ol style="list-style-type: none"> <li>1. Electrical - the current rate for electrical services is \$111.824.95 MWH.</li> <li>2. Water - the current rate for water is \$13.230.21 per KGAL</li> <li>3. Sewage - the current rate for sewage services is \$14.068.49 per thousand gallons, based on 100.95% of the water consumption</li> </ol> <p>Variations in Rate:</p> <ul style="list-style-type: none"> <li>• Changes in the utility rates shall not be basis for adjustment to the contract price or a claim unless the deviation from the quoted price exceeds 15%. When the utility rates varies by more than 15%, the contract price will be adjusted to reflect the amount the actual charge exceeds the rate quoted; however, the Government will only be liable for the amount of cost exceeding 15% of the rate quoted. For example, if a quoted rate increases by 16%, the Government will only be liable for 1% of the rate increase. Vice versa if the quoted rate decreases by 16%.</li> <li>• The rates are subject to change.</li> </ul>
2.4.3	Government-Furnished Material	Except where otherwise stated, the Government will not furnish materials.
2.4.4	Government-	Except where otherwise stated, the Government will not furnish equipment.

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	Furnished Equipment	
2.5	Contractor-Furnished Items	Except for items identified as Government Furnished, the Contractor shall provide all equipment, materials, parts, supplies, components, and facilities to perform the requirements of this contract. The KO may inspect Contractor-furnished items for adequacy and compliance with contract requirements. Inadequate or unsafe items shall be removed and replaced by the Contractor at no cost to the Government. Materials containing asbestos, lead, and polychlorinated biphenyls (PCBs) shall not be brought onsite. Energy efficient tools and equipment shall be used when available. The KO may at any time require Samples, Safety Data Sheets (SDS) or Manufacturer's Data Cut Sheets of Materials used in this contract.
2.6	Management	The Contractor shall manage the total work effort associated with the services required herein to meet the performance objectives and standards. Such management includes but is not limited to planning, scheduling, cost accounting, report preparation, establishing and maintaining records (including updating the AS BUILTS), and quality assurance. The Contractor shall provide a staff with the necessary management expertise to ensure performance objectives and standards are met.
2.6.1	Work Reception	The Contractor shall provide the capability to receive, prioritize, correspond, and respond to trouble/service orders and task orders during Government regular working hours and provide a point of contact at a local or toll free number who can perform the above function during other than Government regular working hours.
2.6.2	Work Control	The Contractor shall implement all necessary work control procedures to ensure timely accomplishment of work requirements, as well as to permit tracking and reporting of work in progress. The Contractor shall plan and schedule work to assure material, labor, and equipment are available to complete work requirements within the specified time limits and in conformance with the quality standards established herein. Verbal scheduling and work status updates shall be provided when requested by the KO. A status update of any item of work shall be provided within 30 minutes of the inquiry during regular working hours, and by 0800 the following work day for inquiries after regular working hours.
2.6.3	Work Schedule	The Contractor's work shall not interfere with normal Government business. In those cases where some interference is unavoidable, the Contractor shall minimize the impact and effects of the interference. The Contractor shall provide advance access of all of its work schedules to the Government. The Contractor shall notify the KO of any difficulty in scheduling work due to Government controls or operations.
2.6.4	Deliverables	Records and reports are specified in Sections C, F, H, and I. The Contractor shall submit accurate and complete documents within the required timeframes as specified in these Sections. The Contractor shall revise/modify records and reports, as directed by the KO, at no additional cost to the Government.  Except where otherwise specified, all deliverables shall be submitted electronically in a Microsoft Office Version 2010 compatible format. Deliverable data shall be capable of being sorted by work order number, asset number, section, annex/sub-annex, spec item and ELIN/Sub-ELIN or clause.  Government acceptance of deliverables will not relieve the Contractor of the responsibility for any error or omission which may exist in the deliverable, as the Contractor is responsible for all requirements of this contract.

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>The Contractor shall establish and maintain a secure website for posting an electronic copy of all deliverables. The Contractor shall allow only authorized Government and Contractor personnel to access the website. Government personnel access shall be limited to viewing and downloading of deliverables, but restricted from posting to the website. The Contractor shall notify the Government by email whenever there are new or updated deliverables posted to the website. Each deliverable posting on the website and each email notification shall include the title of the deliverable, the section, annex/sub-annex and spec item number or clause requiring the deliverable, and the date and time the deliverable was posted. All deliverables shall be available to authorized Government personnel 24 hours/day and 365 days/year for the duration of the contract.</p> <p>The Contractor shall provide status of deliverables per Section F.</p>
2.6.5	Service Interruptions	If any utilities or other services must be discontinued (even temporarily) due to scheduled contract work, the Contractor shall notify the KO, affected tenants, and customers at least five working days in advance. If the discontinued service is due to an emergency breakdown the Contractor shall notify the KO, affected tenants and customers as soon as practicable.
2.6.6	Government's Computerized Maintenance Management Systems (CMMS)	<p>MAXIMO is the Computerized Maintenance Management System (CMMS) used by the Government for work order history, asset management, and condition assessment. The Contractor shall provide all required data for NAVFAC MAXIMO as identified below:</p> <p>Instructional information detailing the process for submitting the specified information for NAVFAC MAXIMO Data Reporting is provided in J-0200000-07.</p> <p>Required data fields for Service Provider Information is provided in J-0200000-08 and Asset Information is provided in J-0200000-09 shall be provided for all work performed in Annexes/Sub-annexes 0600000 Port Operations, 1502000 Facility Investment, 1602000 Electrical, 1604000 Wastewater, 1605000 Steam, 1606000 Water, Annex 1700000 Base Support Vehicles and Equipment and Annex 1800000 Environmental.</p> <p>Additional data fields for Utilities assets Specification Information is provided in J-0200000-10 and Characteristic Meter Reading Information is provided in J-0200000-11.</p> <p>The Contractor shall provide data for NAVFAC MAXIMO by DIRECT ENTRY. The Contractor shall manually enter required work order and asset data directly into NAVFAC MAXIMO. The Contractor shall ensure all information is updated by the end of each workday for all work performed.</p>
2.6.6.1	System Access	<p>Contractor employees shall obtain a CAC in accordance with security requirements, successfully complete required training, submit a Systems Authorization Access Request (SAAR) Form, and meet all eligibility requirements prior to being granted access to the Government's Maximo. The Government will determine the level of access, restrictions, and provide user identification, password, and system access URL details when eligibility requirements are met.</p> <p>The Contractor shall submit a complete list of personnel requiring access to Government's Maximo per Section F. The Contractor shall provide</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		information on each employee as required by Government information technology personnel.
2.6.6.2	Inventories and Workload Data	The Contractor shall maintain and keep current all inventories associated with any annex in this contract. The Contractor shall maintain and keep current all workload data, such as: service orders, preventive maintenance, preventive maintenance incidental repairs, integrated maintenance, integrated maintenance repairs, inspection, testing, and certifications, etc. Current and accurate inventories and workload data shall be submitted to the KO per Section F.
2.6.7	Quality Management System (QMS)	The Contractor shall establish and maintain a complete QMS program in accordance with the provisions specified herein. The Contractor's QMS program shall provide an effective and efficient means of identifying and correcting problems throughout the entire scope of operations. The Contractor's QMS program shall address: <ul style="list-style-type: none"> <li>• Accurate documentation of work processes, procedures, and output measures.</li> <li>• A systematic procedure for assessing compliance with performance objectives and standards.</li> <li>• Accurate documentation of quality inspections and surveillance conducted throughout the execution of work.</li> <li>• Assessment-driven corrective actions and process adjustments as appropriate in a timely manner.</li> </ul>
2.6.7.1	Quality Management (QM) Plan	The Contractor shall develop and submit a QM Plan per Section F. The QM Plan shall describe the QMS methodology and approaches used under this contract. If any changes are made during the period of performance, submit to the KO a revised QM Plan for acceptance, prior to implementation. <p>The Contractor's QM Plan shall include, at a minimum, the following:</p> <ul style="list-style-type: none"> <li>• Policy and objectives of Quality Management System (QMS)</li> <li>• Quality organization <ul style="list-style-type: none"> <li>○ List of personnel</li> <li>○ Responsibilities &amp; lines of authority</li> <li>○ Training and qualifications</li> </ul> </li> <li>• Approach to assuring quality of services provided and conformance with performance objectives and standards</li> <li>• Methods and procedures for effective planning, operation and control of processes and performance of work</li> <li>• Procedures for inspection and surveillance of services for each spec item: <ul style="list-style-type: none"> <li>○ Scheduling and performance of inspection and surveillance</li> <li>○ Measurement, data collection and analysis</li> <li>○ Corrective action, preventive action, and continuous improvement</li> <li>○ Oversight and acceptance of subcontracted work</li> </ul> </li> <li>• Documentation and records management</li> <li>• Communication with Government (customers)</li> </ul>
2.6.7.2	Quality Inspection and Surveillance	The Contractor shall establish and maintain an inspection and surveillance system in accordance with the FAR Clause 52.246-4, INSPECTION OF SERVICES – FIXED PRICE, to ensure that the work performed conforms to the contract requirements. The Contractor shall document and maintain a file of all scheduled and performed inspections and surveillances, inspection and surveillance results, and dates and details of corrective and preventive actions. The quality inspection and surveillance file shall be the property of the Government and made available during the Government's regular working hours. The file shall be turned over to the KO within five calendar

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		days of termination of the contract.
2.6.7.3	Quality Inspection and Surveillance Report	The Contractor shall submit a copy of the Contractor Quality Inspection and Surveillance Report per Section F. The Contractor Quality Inspection and Surveillance Report shall include a summary and results of the quality inspection and surveillance events performed and assessment-driven corrective actions and process adjustments during the previous month. The Government may adjust the frequency of the submittal based on the Contractor's quality of performance.
2.6.8	Property Management Plan	The Contractor shall establish and maintain a plan that meets the contract clause requirements of Specification Item 2.4, Government-Furnished Property, Materials and Services, of this Annex. This plan shall identify the Contractor's policies, procedures, and practices in receiving and performing physical inventories, repairing and maintaining, preserving and protecting, and reporting the disposition of accepted government property in its possession. The Property Management Plan shall be submitted per Section F.
2.6.9	System and Equipment Replacement	The Contractor shall maintain the integrity and performance of existing energy saving, water conservation or other sustainability design features of systems and equipment in the performance of repair and replacement work. Except where otherwise specified, replacement components shall be of the same model/style or equivalent as the component being replaced. Substitutes for replacement components must be accepted by the KO prior to use. The KO will furnish available information for the existing systems and equipment.
2.7	Personnel Requirements	The Contractor shall comply with the personnel requirements stated below:
2.7.1	Key Personnel	<p>The Contractor shall submit a List of Key Personnel and Qualifications per Section F. The Contractor shall provide any additional information requested by the KO necessary to certify their qualifications.</p> <p>The Contractor shall submit an Organizational Chart per Section F showing lines of authority of the key personnel and on-site supervisor(s) for this contract. The chart shall include names of personnel and their position title in this contract. As a minimum, include the Project Manager, Quality Manager, Site Safety and Health Officer, Environmental/Energy Manager, Transportation Manager, WHE Operation and Maintenance Manager, Utilities Supervisor, MCSF-BI Site Manager and on-site supervisor(s) and who they will report directly to for this contract. The key personnel shall be revised as applicable for the contract.</p>
2.7.1.1	Project Manager (PM)	<p>The Contractor shall provide a PM and designated alternate, as applicable, who has full authority to act for the Contractor on all contract matters relating to this contract. The PM or alternate shall be on-site during the Government's regular working hours and shall be available on-site within one hour after the Government's regular working hours.</p> <p>The PM shall have at least five years of experience in managing a workforce providing services on contracts of similar size, scope and complexity. The PM shall not be the same person as the Quality Manager, Site Safety and Health Officer, Environmental/Energy Manager, Transportation Manager, WHE Operation and Maintenance Manager, Utilities Supervisor or MCSF-BI Site Manager.</p>
2.7.1.2	Quality Manager	The Contractor shall provide a Quality Manager whose primary duty and responsibility is to prepare and enforce the Contractor's Quality Management System on this contract. The Quality Manager or designated alternate shall be on-site during the Government's regular working hours and shall be

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>available on-site within two hours after the Government’s regular working hours. The Quality Manager must report directly to a senior corporate official and shall not report directly to the Project Manager.</p> <p>The Quality Manager shall have fulfilled the following pre-requisite training and experiences before being hired as the Quality Manager under this contract:</p> <p>The Quality Manager shall have at least five years of supervisory experience in preparing and enforcing QMS programs on contracts of similar size, scope and complexity. The Quality Manager shall not be the same person as the Project Manager, Site Safety and Health Officer, Environmental/Energy Manager, Transportation Manager, WHE Operation and Maintenance Manager, Utilities Supervisor or MCSF-BI Site Manager.</p>
2.7.1.2.1	Quality Control Personnel	<p>The Contractor shall provide Quality Control personnel whose primary duty and responsibility is to enforce the Contractor’s Quality Management System on this contract. The Quality Control personnel shall be on-site during the Government's regular working hours. The Quality Control personnel shall report directly to the Quality Manager and shall not report directly to the Project Manager.</p> <p>Quality Control personnel shall have fulfilled the following pre-requisite training and experiences before being hired as Quality Control under this contract:</p> <p>Quality Control personnel shall meet or exceed the qualifications, technical knowledge and experience requirements specified for the personnel performing the work which they will be inspecting and have at least three years of experience in enforcing QMS programs on contracts of similar size, scope and complexity.</p>
2.7.1.3	Site Safety and Health Officer (SSHO)	<p>The SSHO must meet the requirements of EM 385-1-1 Section 1 and ensure that the requirements of 29 CFR 1926.16 are met for the project. Provide a Safety oversight team that includes a minimum of one Competent Person at each project site to function as the Site Safety and Health Officer (SSHO). The SSHO or an equally-qualified Designated Representative/alternate shall be on-site at all times when work is being performed to implement and administer the Contractor's safety program and government-accepted Accident Prevention Plan. The SSHO's training, experience, and qualifications shall be as required by EM 385-1-1 paragraph 01.A.17, entitled SITE SAFETY AND HEALTH OFFICER (SSHO), and all associated sub-paragraphs.</p> <p>A Competent Person shall be provided for all of the hazards identified in the Contractor's Safety and Health Program in accordance with the accepted Accident Prevention Plan, and shall be on-site at all times when the work that presents the hazards associated with their professional expertise is being performed. Provide the credentials of the Competent Persons(s) to the Contracting Officer for acceptance in consultation with the Safety Office.</p> <p>The Contractor shall provide a SSHO whose primary duty and responsibility is to prepare and enforce the Contractor’s safety program on this contract. The SSHO shall have fulfilled the following pre-requisite training and experiences before being hired as the SSHO under this contract:</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		The SSHO shall have completed five years of satisfactory experience in preparing and enforcing safety programs on contracts of similar size and complexity in the past or three years' experience if he possesses a Certified Safety Professional (CSP) or safety and health degree. The SSHO shall have completed the OSHA 30-hour construction safety class or equivalent and maintain competency through 24 hours of formal safety and health related coursework every four years. The SSHO shall not be the same person as the Project Manager, Quality Manager, Environmental/Energy Manager, Transportation Manager, WHE Operation and Maintenance Manager, Fleet Readiness Center Southeast Supervisor, Utilities Supervisor or MCSF-BI Site Manager.
2.7.1.4	Environmental /Energy Manager	<p>The Contractor shall provide an Environmental/Energy Manager whose primary duty and responsibility is to ensure Contractor operations adhere to the goals and policies of the Environmental Management System, the Installation Energy Plan, and other specified Sustainability requirements affecting this contract. The Environmental/Energy Manager shall develop, implement and monitor environmental strategies, policies and programs that promote sustainable development and examine the contract activities to establish where improvements can be made and ensure compliance with environmental legislation and energy policy.</p> <p>The Environmental/Energy Manager shall have a minimum three years' experience in the environmental compliance field and environmental procedures similar to those of this contract; familiarity with Environmental Management Systems (EMSs); and knowledge of environmental regulations and federal energy laws and policy (including energy and water reduction requirements and renewable energy requirements) that are applicable to operations similar to those of this contract and shall have experience in hazardous waste management and hazardous substance spill response.</p> <p>This Environmental/Energy Manager shall be trained prior to the start of this contract and possess the following:</p> <ol style="list-style-type: none"> <li>1. Site supervisor for spill cleanup in accordance with OSHA regulation and 29 CFR 1910</li> <li>2. 40 hours HAZWOPER and annual 8 hour refresher training</li> <li>3. A minimum of 16 hour course in hazardous material transportation. Within 6 months following the start of the contract, the Environmental/Energy Manager shall receive annual training in SPCC, Storm Water Pollution Prevention, NAVSTA Mayport Ashore 8 hour training for HW, 40 CFR 265.16 training for a Large Quantity Generator of Hazardous Waste and EPCRA.</li> </ol> <p>The Environmental/Energy Manager shall not be the same person as the Project Manager, Quality Manager, Site Safety and Health Officer, Transportation Manager, WHE Operation and Maintenance Manager, Utilities Supervisor or MCSF-BI Site Manager.</p>
2.7.1.5	Transportation Manager	The Contractor shall provide an on-site Transportation Operations Manager at who shall have authority and responsibility for assuring performance objectives and standards identified in Annex 1700000 BSVE are met. The Transportation Operations Manager shall have a minimum of 5 years' experience in managing Transportation Operations in projects of similar size, scope and complexity. The cost of the Transportation Manager shall be allocated to Annex 1700000 BSVE recurring work requirements.
2.7.1.6	WHE	The Contractor shall provide a Weight Handling Equipment (WHE)

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	Operation and Maintenance Manager	Operation and Maintenance (O&M) Manager with full authority to ensure safe and effective crane operations. The WHE O&M Manager shall have a minimum of 10 years of experience involving weight handling equipment operation and maintenance. Five years' experience must involve supervision or management of weight handling equipment personnel and equipment. The cost of the Transportation Manager shall be allocated to Annex 1700000 BSVE recurring work requirements.
2.7.1.7	Utilities Supervisor	<p>The Contractor shall provide a Utilities Supervisor whose primary responsibility is to ensure all utility systems are operated and maintained in accordance with contract requirements. The Utilities Supervisor shall be on-site during the Government's regular working hours and shall be available on-site within one hour after the Government's regular working hours.</p> <p>The Utilities Supervisor shall have a minimum of two years of experience with utility systems of similar size and complexity. The Utilities Supervisor shall not be the same person as the Project Manager, Quality Manager, Site Safety and Health Officer, Environmental/Energy Manager, Transportation Manager, WHE Operation and Maintenance Manager or MCSF-BI Site Manager.</p>
2.7.1.8	MCSF-BI Site Manager	<p>The Contractor shall provide an MCSF-BI Site Manager and designated alternate, as applicable, who has full authority to act for the Contractor on all contract matters relating to the MCSF-BI requirements in this contract. The MCSF-BI Site Manager or alternate shall be on-site at MCSF-BI during the Government's regular working hours and shall be available on-site within one hour after the Government's regular working hours.</p> <p>The MCSF-BI Site Manager shall have at least five years of experience in managing a workforce providing services on contracts of similar size, scope and complexity. The MSCF-BI Site Manager shall not be the same person as the Project Manager, Quality Manager, Site Safety and Health Officer, Environmental/Energy Manager, Transportation Manager, WHE Operation and Maintenance Manager or Utilities Supervisor.</p>
2.7.2	Employee Requirements	The Contractor shall provide experienced, qualified, and capable personnel to perform the work in this contract. Personnel shall be fully knowledgeable of all safety, environmental, and energy requirements associated with the work they perform. Personnel shall speak, read, and comprehend English to the extent that they can perform the contract requirements and comply with installation emergency procedures.
2.7.2.1	Employee Certification and Training	The Contractor shall maintain personnel certification, training, and licensing records for employee requirements specified herein and within all technical annexes/sub-annexes. Certification, training, and licensing records shall be kept current and on file for the duration of the contract including all option periods. Records shall be made available for Government review within 4 hours of request.
2.7.2.1.1	Indoctrination and Environmental Training	The Contractor shall provide initial and follow up environmental awareness training for all employees in addition to training required by all applicable Federal, state, and local laws, regulations, and executive orders, and with base-wide instructions, standards, and permit requirements. Indoctrination and environmental awareness training shall include topics such as: HM and regulate/non-regulated waste management, recycling, solid waste disposal, storm water BMPs, general housekeeping procedures, fueling procedures, spill prevention and response, natural resources, cultural resources, etc.
2.7.2.2	Employee	The Contractor shall ensure that all employees present a professional

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	Appearance	appearance that is appropriate for their position. The KO reserves the right to determine the acceptability of any clothing worn. All Contractor/subcontractor employees working under this contract shall be identified by a distinctive nameplate, emblem, or patch attached in a prominent place on an outer garment. Employee identification shall not be substituted for station required passes or badges.
2.7.2.3	Employee Conduct	Contractor employees shall conduct themselves in a proper, efficient, courteous and businesslike manner.
2.7.2.4	Identification as Contractor Employee	Contractor employees shall identify themselves as Contractor personnel by introducing themselves or being introduced as Contractor personnel and displaying distinguishing badges or other visible identification for meetings with Government personnel. All Contractor employees shall appropriately identify themselves as contractor employees in telephone conversations and in formal and informal written correspondence.
2.7.2.5	Removal of Employees	The Contractor shall remove from the site any individual whose continued employment is deemed by the KO to be contrary to the public interest or inconsistent with the best interests of National Security.
2.7.2.7	Proof of Legal Residency	No employee or representative of the Contractor will be admitted to the site of work unless satisfactory Proof of Legal Residency is furnished per Section F.
2.7.3	Enterprise-wide Contractor Manpower Reporting Application (eCMRA)	The following manpower reporting is required by NMCARS 5237.102. The Contractor shall report all contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address: <a href="https://doncmra.nmci.navy.mil">https://doncmra.nmci.navy.mil</a> .  Per Section F, 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 <a href="https://doncmra.nmci.navy.mil">https://doncmra.nmci.navy.mil</a> .
2.8	Security Requirements	The Contractor shall comply with all Federal, state, and local security statutes, regulations, and requirements. The Contractor shall become acquainted with and comply with all Government regulations as posted, or as requested by the KO when required to enter a Government site. The Contractor shall ensure that all security/entrance clearances are obtained.
2.8.1	Employee Listing	The Contractor shall maintain a current Employee List and submit per Section F. The list shall include employee's name, supervisor, company, and level of security clearance.
2.8.2	Vehicles	The company name shall be displayed on each of the Contractor's vehicles in a manner and size that is clearly visible. All vehicles shall display a valid state license plate that complies with State Vehicle Code. Vehicles shall meet all other requirement of the State Vehicle Code, such as safety standards, and shall carry proof of insurance and state registration, if applicable.
2.8.3	Passes and Badges	All Contractor employees shall obtain the required employee and vehicle passes. The Contractor employees must be able to obtain Common Access Cards (CAC) in accordance with security requirements. Each employee shall wear the Government issued badge over the front of the outer clothing. When an employee leaves the Contractor's service, the employee's Passes and Badges shall be returned within 10 calendar days.

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		Additional Passes and Badges are required for access to Bureau of Medicine and Surgery facilities, Port Operation areas, flight line areas, weapons storage areas, etc.
2.8.4	Access to Installation	<p>All Contractor personnel shall obtain access to the installation by participating in the Navy Commercial Access Control System (NCACS), or by obtaining passes each day from the Base Pass and Identification Office. Costs for obtaining passes through the NCACS are the responsibility of the Contractor. One-day passes, issued through the Base Pass and Identification Office, will be furnished without charge.</p> <p>The Contractor shall furnish a completed EMPLOYMENT ELIGIBILITY VERIFICATION (DHS FORM I-9) form for all personnel requesting badges. This form is available at <a href="http://www.uscis.gov/portal/site/uscis">http://www.uscis.gov/portal/site/uscis</a> by searching or selecting Employment Verification (Form I-9). Immediately report instances of lost or stolen badges to the Contracting Officer.</p>
2.8.4.1	NCACS Program	<p>NCACS is a voluntary program in which Contractor personnel who enroll, and are approved, are subsequently granted access to the installation for a period up to one year, or the length of the contract, whichever is less, and are not required to obtain a new pass from the Base Pass and Identification Office for each visit.</p> <p>The Government performs background screening and credentialing. Throughout the year the Contractor employee must continue to meet background screening standards. Periodic background screenings are conducted to verify continued NCACS participation and installation access privileges. Under the NCACS program, no commercial vehicle inspection is required, other than for Random Anti-Terrorism Measures (RAM) or in the case of an elevation of Force Protection Conditions (FPCON).</p> <p>Information on costs and requirements to participate and enroll in NCACS is available at <a href="http://www.rapidgate.com/vendors/how-to-enroll">http://www.rapidgate.com/vendors/how-to-enroll</a> or by calling 1-877-727-4342.</p>
2.8.4.2	One-Day Passes	Participation in the NCACS is not mandatory, and if the Contractor chooses to not participate, the Contractor's personnel will have to obtain daily passes, be subject to daily mandatory vehicle inspection, and will have limited access to the installation. The Government will not be responsible for any cost or lost time associated with obtaining daily passes or added vehicle inspections incurred by non-participants in the NCACS.
2.8.5	Access to Buildings	The Contractor shall monitor and control access into restricted areas under their responsibility, allowing only those individuals who have been properly cleared into restricted areas or other controlled access areas. The Contractor shall comply with security requirements, plus those imposed by the installation Commander at all times. Personnel with access to special areas will have the appropriate screening and/or security clearance, and personnel requiring routine access to restricted areas will wear special badges authorizing access for those areas. Contractor personnel shall not enter restricted or controlled areas or installation facilities unless specifically authorized in performance of their duties. The Contractor shall secure all buildings and facilities entered during non-duty hours and will secure all building and facilities under the Contractor's cognizance at the end of each work day or shift period.
2.8.6	Access Arrangements	The Contractor shall make all arrangements through the appropriate office necessary to obtain access to buildings, facilities and other work areas, and

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		when necessary, arrange for them to be opened and closed by the controlling authority. The Government may issue keys to the Contractor. The Contractor shall use due diligence and be responsible for compromised security systems to include replacement costs that result from its action or inaction.
2.8.6.1	Escort Arrangement for Secured Areas	<p>The Contractor shall make arrangements at least 24 hours in advance for Government escort into secured areas requiring escort. The KO will provide information on applicable buildings, spaces and the appropriate point of contact.</p> <p>The Contractor may experience delays while waiting for escorts. The Government estimates the wait period can be up to 60 minutes. The Contractor shall notify the Government Performance Assessment Representative (PAR) and appropriate point of contract if an escort is not available after 60 minutes and access to accomplish the work is denied. Unscheduled requirements, e.g., service orders, may require a longer wait for an escort.</p>
2.8.6.2	Airfield Vehicle Operations	Personnel required to operate vehicles on NAVSTA Mayport Air Field, shall comply with applicable NAVSTA Mayport instructions, references and requirements. The Contractor shall provide qualified escorts for personnel requiring occasional access.
2.8.7	Security Clearances	The Contractor shall obtain all required corporate and personnel Security Clearances prior to commencement of work. The Contractor shall ensure that a list of all personnel with Security Clearances is maintained current, including clearances that are pending.
2.8.8	Access to Sensitive Unclassified Information	<p>The Contractor personnel whose work involves access to sensitive unclassified information shall undergo a National Agency Check Investigation (NACI) to verify their suitability. If the Contractor personnel currently have a favorably adjudicated NACI the Contractor shall notify the Government Command Security Manager who will validate this in the Joint Personnel Adjudication System (JPAS).</p> <p>The Contractor shall request from the Government for access to the E-QIP Direct program for the Contractor employees to complete the SF-85 form on line for an NACI. The Security Manager will determine suitability. Upon a favorable NACI, the Contractor personnel shall provide the completed Personnel Security Investigation (PSI) to the Security Manager along with the original signed release statements, applicant fingerprint card (FD87), and an OF-306 Declaration for Federal Employment per Section F. The Contractor shall be responsible for providing the fingerprint card.</p> <p>The request shall be renewed annually or for the duration of the contract if less than one year.</p>
2.8.9	Employee Status	The Contractor shall notify the KO of any changes to any employee's status to include, but not limited to, termination, convictions/arrests, adverse actions taken on the job for any reason or any other documented misbehavior that may affect, or have the potential to affect, security standing in terms of access to federal facilities or IT systems.
2.8.10	Access to Navy Marine Corp Intranet (NMCI)	The Contractor may be required to access Navy Marine Corp Intranet (NMCI). Prior to being granted access to NMCI, Contractor employees shall obtain a CAC in accordance with security requirements, successfully complete required training, submit a Systems Authorization Access Request (SAAR) Form, and meet all eligibility requirements.

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2.8.11	Cameras and Recording Devices	The introduction or use onboard NAVSTA Mayport of cameras, tape recorders, wire recorders or any other type recording device is prohibited except: <ol style="list-style-type: none"> <li>a. For official use as may be authorized by a station Department Head or resident activity Commanding Officer/Officer-in-Charge or Public Affairs Staff.</li> <li>b. In private quarters, Bachelor Officer Quarters or Bachelor Enlisted Quarters.</li> <li>c. For recreational use in designated recreational areas.</li> </ol>
2.9	Contractor Safety Program	The Contractor shall develop and implement a Safety Program detailing how the Contractor plans, staffs, performs, and controls all safety practices while delivering best value services to the Government without any accidents or mishaps. The Contractor's safety program shall comply with all safety standards identified in the U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, UFGS-01 35 26.00 25 , UFGS-01 35 26.05 25, 29 CFR 1926 and Public Law 91-596, Occupational Safety and Health Act.  Any reference to "USACE" facilities, property, or equipment specified in EM 385-1-1 should be interpreted as Government facilities, property, and equipment.
2.9.1	Subcontractor Safety Requirements	Neither Contractor nor any subcontractor shall enter into contract with any subcontractor who fails to meet the following requirements. The term subcontractor in the following paragraphs shall mean all subcontractors on the project, whether in contract with the Contractor or any subcontractor.
2.9.1.1	Experience Modification Rate (EMR)	No subcontractor on the project shall have an effective EMR greater than 1.10 when entering into a subcontract agreement with the prime contractor or a subcontractor at any tier as computed by the National Council on Compensation Insurance (NCCI) or if not available, as computed by the state agency's rating bureau in the state where the subcontractor is registered. Prime Contractor may submit a written request for additional consideration to the Contracting Officer where the specified acceptable EMR range cannot be achieved for a particular subcontractor whose performance is uniquely critical to the project. Relaxation of the EMR range shall only be considered and/or granted on a case-by-case basis for special conditions and shall not be anticipated as tacit approval. Contractor's Site Safety and Health Officer (SSHO) shall collect and maintain certified EMR ratings for ALL subcontractors on the project and shall make them available to the Government at the Government's request.
2.9.1.2	OSHA Days Away From Work, Restricted Duty, or Job Transfer (DART) Rate	No subcontractor on the project shall have a DART rate calculated from the most recent, complete calendar year greater than 3.0 when entering into a subcontract agreement with the prime contractor or a subcontractor at any tier. The OSHA Dart Rate is calculated using the following formula: $(N/EH) \times 200,000$ where: N = number of injuries and/or illnesses with days away, restricted work, or job transfer EH = total hours worked by all employees during most recent, complete calendar year 200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year)  Prime Contractor may submit a written request for additional consideration to the Contracting Officer where the specified acceptable OSHA Dart rate range

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		cannot be achieved for a particular subcontractor whose performance is uniquely critical to the construction project. Relaxation of the OSHA DART rate range shall only be considered and/or granted on a case-by-case basis for special conditions and shall not be anticipated as tacit approval. Contractor's Site Safety and Health Officer (SSHO) shall collect and maintain self-certified OSHA DART rates for ALL subcontractors on the project and shall make them available to the Government at the Government's request.
2.9.2	Accident Prevention Plan (APP)	<p>The Contractor shall develop and implement a site Accident Prevention Plan (APP). The APP shall be prepared by the Contractor's SSHO and shall be followed by all Contractor employees, subcontractors, and vendors at each service site.</p> <p>The APP shall follow the format and include all elements addressed in Appendix A of EM 385-1-1. The APP shall incorporate Activity Hazard Analyses (AHAs) and compliance plans addressing all applicable Safety and Occupational Health (SOH) risks that are relevant to the site specific hazards and controls for each activity and type of work that may be encountered in the performance of this contract.</p> <p>The Contractor shall submit an APP for acceptance per Section F. The Contractor shall review, update, and submit revisions to the APP whenever a change in work conditions, hazards, or activities occur. Submittal of the APP shall include Activity Hazard Analyses (AHAs) and applicable compliance plans, programs, and procedures as specified below.</p> <p>The Contractor shall not commence work until the APP has been accepted and no activity shall be started on site until the applicable AHAs and compliance plans have been accepted.</p> <p>Once accepted by the Contracting Officer, the APP and attachments will be enforced as part of the contract. Disregarding the provisions of this contract or the accepted APP will be cause for stopping of work, at the discretion of the Contracting Officer, until the matter has been rectified.</p>
2.9.3	Crane Operations	<p>All operations of Cranes, Multi-Purpose Machines and Material Handling Equipment shall comply with EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926.</p> <p>The Contractor shall comply with paragraph 1.7.2 of NAVFAC P-307 and notify the Contracting Officer at least 24 hours prior to bringing any crane (including delivery vehicles with crane boom attachments), multi-purpose machines, material handling equipment, or construction equipment that may be used in a crane-like application to lift suspended loads on board a Navy Installation. Written documentation of the last weight test of the crane and all related weight handling equipment shall be maintained on site.</p> <p>A joint verification with the Government representative must be performed to ensure that a legible and indelible completed copy of Appendix P, Figure P-1 of NAVFAC P-307 is maintained on the crane, multi-purpose machine, and material handling equipment or construction equipment used in a crane-like application to lift suspended loads. The following certification and testing documentation shall be on site prior to entry and use on any Navy Installation:</p> <ol style="list-style-type: none"> <li>1) Crane, multi-purpose machine, material handling equipment or construction equipment used in a crane-like application to lift suspended</li> </ol>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>load certification</p> <ol style="list-style-type: none"> <li>2) Load testing</li> <li>3) Yearly, monthly and daily inspection logs</li> <li>4) Rope/sling certifications</li> <li>5) Operator certifications/designations</li> <li>6) Designation of person performing log inspections</li> <li>7) Cranes that are permanently located on a Navy Installation shall have a quarterly joint verification.</li> </ol>
2.9.3.1	Crane Inspections	<p>The Contractor shall ensure all inspections are performed in accordance with EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926 (daily, monthly, quarterly, yearly), and retain the current documentation of inspections. Documents shall be kept on site.</p> <p>Daily pre-use inspections and testing shall be performed on all load hoisting and lowering mechanisms, boom hoisting and lowering mechanisms, swinging mechanisms, travel mechanisms (if to be used that day), and safety devices. Cranes that have to be re-rated shall be in accordance with SAE Recommended Practices, Crane Load Stability Test Code J765 and documentation maintained on site. The Contractor shall have an operational anti-two block device or a two-block damage prevention feature for all points of two blocking and a boom hoist disconnect shutoff or hydraulic relief to automatically stop the boom hoist when the boom reaches a predetermined high angle.</p>
2.9.3.2	Rigging Gear	<p>The Contractor shall ensure rigging gear and below the hook lifting devices and personnel comply with the following requirements:</p> <ol style="list-style-type: none"> <li>1) Personnel performing rigging shall have an understanding of all signs, notices, and operating instructions, and be familiar with the applicable hand signals prescribed by the ASME B30 standard for the type of crane in use.</li> <li>2) Personnel performing rigging shall be familiar with the rigging requirements in EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926.</li> <li>3) The Contractor shall inspect rigging gear in accordance with EM 385-1-1, NAVFAC P-307, 29 CFR Part 1910, and 29 CFR Part 1926 and paragraph 1.7.2 of NAVFAC P-307. Certification records shall be made available for review upon request.</li> </ol>
2.9.3.3	Crane Operators	<p>Crane operators shall meet the personnel qualifications requirements in paragraph 16.B of EM 385-1-1 and paragraph 1.7.2 of NAVFAC P-307. For mobile cranes with Original Equipment Manufacturer (OEM) rated capacities of 2,000 pounds or greater, designate crane operators as qualified by a source that qualifies crane operators (i.e., union, a government agency, or an organization that tests and qualifies crane operators).</p>
2.9.4	Accident and Damage Reporting	<p>The Contractor shall notify the Contracting Officer as soon as practical, but no more than four hours after any accident meeting the definition of Recordable Injuries or Illnesses or High Visibility Accidents, property damage equal to or greater than \$2,000, or any Weight Handling Equipment (WHE) accident. Notification shall also be provided for any mishap occurring in any of the following high hazard areas: electrical (to include Arc Flash, electrical shock, etc.); uncontrolled release of hazardous energy (includes electrical and non-electrical); weight or load handling equipment (LHE) or rigging; fall-from-height (any level other than same surface); and underwater diving. These mishaps shall be investigated in depth to identify all causes and to recommend hazard control measures.</p> <p>Within notification include Contractor name; contract title; type of contract;</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>name of activity, installation or location where accident occurred; date and time of accident; names of personnel injured; extent of property damage, if any; extent of injury, if known, and brief description of accident (to include type of equipment used, PPE used, etc.). Preserve the conditions and evidence on the accident site until the Government investigation team arrives on-site and Government investigation is conducted.</p> <p>The Contractor shall conduct an accident investigation for recordable injuries and illnesses, for accidents requiring Medical Treatment, property damage accidents resulting in at least \$5,000 in damages, and near misses as defined in EM 385-1-1, to establish the root cause(s) of the accident. The Contractor shall complete the applicable NAVFAC Contractor Incident Reporting System (CIRS), and electronically submit via the NAVFAC Enterprise Safety Applications Management System (ESAMS) per Section F.</p> <p>For any weight handling equipment accident (including rigging gear accidents) the Contractor shall conduct an accident investigation to establish the root cause(s) of the accident and comply with additional requirements and procedures for accidents in accordance with NAVFAC P-307, Section 12. The Contractor shall submit a WHE Accident Report (Crane and Rigging Gear) per Section F. No crane operations are allowed to proceed until cause is determined and corrective actions have been implemented to the satisfaction of the Contracting Officer.</p> <p>For a near miss, the Contractor shall complete the applicable documentation in NAVFAC Contractor Incident Reporting System (CIRS), and electronically submit via the NAVFAC Enterprise Safety Applications Management System (ESAMS) per Section F.</p> <p>For a near miss involving crane or rigging operations, the Contractor shall report verbally to the Contracting Officer as soon as management becomes aware but not later than 4 hours of such event and comply with additional requirements and procedures for near-misses in accordance with NAVFAC P-307, Section 12. A near miss occurs when an accident was avoided by mere chance or when intervention prevented an ongoing sequence of events that would have resulted in an accident (e.g. unplanned encroachment, improper crane set-up, improperly rigged load, etc.). The Contractor shall submit a Crane and Rigging Gear Near Miss Report per Section F.</p>
2.9.4.1	Accident Reporting and Notification Criteria	<p>The following criteria and definitions apply to the accident reporting requirements specified above:</p> <p>Recordable Injuries or Illnesses. Any work-related injury or illness that results in:</p> <ol style="list-style-type: none"> <li>1) Death, regardless of the time between the injury and death, or the length of the illness;</li> <li>2) Days away from work (any time lost after day of injury/illness onset);</li> <li>3) Restricted work;</li> <li>4) Transfer to another job;</li> <li>5) Medical treatment beyond first aid;</li> <li>6) Loss of consciousness; or</li> <li>7) A significant injury or illness diagnosed by a physician or other licensed health care professional, even if it did not result in (1) through (6) above.</li> </ol>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>High Visibility Accident. Any mishap which may generate publicity or high visibility.</p> <p>Medical Treatment. Treatment administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does not include first aid treatment even through provided by a physician or registered personnel.</p> <p>WHE Accident. A WHE accident occurs when any one or more of the eight elements in the operating envelope fails to perform correctly during operation, including operation during maintenance or testing resulting in personnel injury or death; material or equipment damage; dropped load; derailment; two-blocking; overload; or collision, including unplanned contact between the load, crane, or other objects. A dropped load, derailment, two-blocking, overload and collision are considered accidents, even though no material damage or injury occurs. A component failure (e.g., motor burnout, gear tooth failure, bearing failure) is not considered an accident solely due to material or equipment damage unless the component failure results in damage to other components (e.g., dropped boom, dropped load, roll over, etc.)</p>
2.9.5	Fire Protection	The Contractor shall know where fire alarms are located and how to activate them. The Contractor shall handle and store all combustible supplies, materials, waste and trash in a manner that prevents fire or hazards to persons, facilities, and materials. Contractor employees operating critical equipment shall be trained to properly respond during a fire alarm or fire in accordance with activity instructions. Fire Marshall noted deficiencies shall be corrected on a priority basis.
2.9.6	Monthly On-Site Labor Report	The Contractor shall submit a Monthly On-Site Labor Report per Section F. This report is a compilation of employee-hours worked each month for all site workers, both prime and subcontractor.
2.9.7	OSHA Citations and Violations	The Contractor shall correct violations and citations promptly and provide a copy of each OSHA citation and OSHA report with written OSHA Citations and Violations Corrective Action Report per Section F.
2.9.8	Safety Inspections and Monitoring	<p>The Contractor shall conduct inspections of its work areas, job sites, and work crews every day work is being performed to ensure that all Contractor operations are being conducted safely. These inspections shall ensure: The site is safe and free of job-site hazards</p> <ul style="list-style-type: none"> <li>• Proper PPE is being utilized and worn.</li> <li>• Safe work practices and processes are being followed.</li> <li>• Workers are familiar with the hazards covered in the respective AHA for that work activity.</li> <li>• All equipment and tools are in good condition and being used safely.</li> </ul> <p>The Government reserves the right to inspect and monitor Contractor operations for safety compliance. In general, the Government approach will be to conduct Performance Assessment on the quality and effectiveness of the Contractor’s safety program. The Government reserves the right to stop any work activity when it deems danger is imminent. Contractor personnel shall work in a safe manner and comply with all applicable safety regulations. The Contractor shall be subject to safety inspections of its work sites by the Government. Contractor safety records shall be available to the KO upon request.</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		Whenever the KO becomes aware of any safety noncompliance or any condition which poses a serious or imminent danger or hazard to the health or safety of the public or Government Personnel, the KO will notify the Contractor orally, with written confirmation, and request immediate corrective action. This notice, when delivered to the Contractor's representative or SSHO, shall be deemed sufficient notice of noncompliance and that corrective action is required. After receiving this notice, the Contractor shall immediately take corrective action. If the Contractor fails, delays, or refuses to promptly take corrective action, the KO may issue a stop work order for all or part of the services or work until satisfactory corrective action has been taken. Whenever such a stop work order has been issued, the Contractor shall waive all equitable adjustments to the contract related to the stop work ordered issued. The Contractor shall include this requirement in all of its subcontracts and vendor contracts in support of contract safety.
2.9.9	Safety Certification	The Contractor shall submit copies of all the required Federal, state, county, city and industry Safety Certifications for work performed under this contract per Section F. These certifications shall be kept up to date by the Contractor. The Contractor shall submit new versions of certifications as the old certifications expire. No work, that requires a certification, shall start without a valid and approved certification.
2.9.10	Safety Apparel on Jobsites	The Contractor personnel shall wear appropriate high-visibility safety apparel (garment, vest, or harness of retro-reflective and fluorescent material) meeting ANSI/ISEA 107-2010 requirements. Appropriate garment shall be based on the worker hazards and tasks, complexity of the work environment or background, and vehicular traffic and speed. As a minimum, the Contractor personnel shall wear ANSI/ISEA 107-2010 Class 2 compliant apparel.
2.9.11	Emergency Medical Treatment	Contractors will arrange for their own emergency medical treatment. The Government has no responsibility to provide emergency medical treatment.
2.10	Environmental Management and Sustainability	<p>The Contractor shall perform work under this contract consistent with the following Environmental Management System (EMS) goals and policy.</p> <p>Goals:</p> <ul style="list-style-type: none"> <li>• Reduce purchase and use of toxic and hazardous materials;</li> <li>• Expand purchase of green products and services; increase recycling;</li> <li>• Reduce energy and water use;</li> <li>• Increase use of alternative fuels and renewable energy;</li> <li>• Integrate green building concepts in major renovations and new construction;</li> <li>• Prevent pollution at the source; and</li> <li>• Continual improvement.</li> </ul> <p>Policy:</p> <ul style="list-style-type: none"> <li>• Protect public health and the environment by being an environmentally responsible member of the community;</li> <li>• Preserve our natural, historic and cultural resources;</li> <li>• Conserve natural resources by reducing what we discard, reusing items, and recycling materials, which includes purchasing products made from recycled materials;</li> <li>• Integrate sound environmental practices into all our operations and business decisions; Integrate environmental protection requirements and pollution prevention initiatives into the early planning, design and procurement of facilities, equipment and material, as well as the planning and implementation of military training activities;</li> </ul>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<ul style="list-style-type: none"> <li>• Prevent or minimize pollution at its source as we seek out ways to eliminate or further minimize use of hazardous materials and generation of hazardous waste;</li> <li>• Maintain a sound partnership with regulatory agencies to sustain our compliance with existing and new environmental laws and regulations;</li> <li>• Enhance our program as we develop and implement an Environmental Management System; and</li> <li>• Adhere to this policy, remind one another to do so, and ensure that our entire community knows this is our policy by our actions as well as our words.</li> </ul> <p>The Contractor shall maintain monitoring and measurement information to address the EMS goals and policy and provide the EMS Goals and Policy Measurement Information to the KO when requested. In the event an EMS nonconformance or environmental noncompliance associated with the contracted services, tasks, or actions occurs, the Contractor shall take corrective and/or preventative actions, assume legal and financial liability for the noncompliance and take corrective action immediately to remedy the noncompliance. The Contractor shall ensure that its employees are aware of their roles and responsibilities under the EMS and how these EMS roles and responsibilities affect work performed under the contract.</p>
2.10.1	Energy Management Program	<p>The Contractor shall comply with the installation's energy management program. The Contractor Environmental/Energy Manager, or designee, shall represent the Contractor's interest at all meetings of the activity's Energy Management Board.</p> <p>The Contractor shall comply with the Navy Region Southeast Instruction 4101.1 and in accordance with Executive Orders, Acts of Congress and other directives, instructions and regulations. This is to include, but is not limited to, the Energy Policy Act of 2005, Executive Orders 13423 and 13693, Energy Independence and Security Act of 2007, SECNAV Instruction 4100.9A, and OPNAV Instruction 4100.5E. The Contractor PM shall represent the Contractor's interest at all meetings of the activity's Energy Management Board. Use of high energy consuming tools or equipment shall be approved by the KO. The Contractor shall use life-cycle cost analysis in making decisions about investments in products, services, construction and other projects to lower Federal Government's costs and reduce energy consumption. The Contractor shall elect lifecycle cost effective Energy Star and other energy-efficient products when acquiring energy-using products. For product groups where Energy Star labels are not yet available, select products that are in upper 25 percent of energy efficiency as designated by the Federal Energy Management Program</p> <p>The Contractor superintendent shall represent the Contractor's interests at all meetings of the activity's Energy Conservation and Resource Management Committee.</p> <p>Navy Region Southeast Instruction 4101.1 is provided in J-0200000-12.</p> <p>The Contractor shall attend periodic meetings with the Installation Energy Manager, where energy and water efficiency goals and project status will be discussed to ensure that any Contractor work complements and optimizes</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		efficiency efforts.
2.10.1.1	Water Conservation Plan	The Contractor shall develop, submit and implement a Water Conservation Plan per Section F.
2.10.1.2	Energy Efficient Products	The Contractor shall use life-cycle cost analysis in making decisions about investments in products, services, construction and other projects to lower Federal Government's costs and reduce energy consumption. The Contractor shall elect lifecycle cost effective Energy Star and other energy-efficient products when acquiring energy-using products. For product groups where Energy Star labels are not yet available, select products that are in upper 25 percent of energy efficiency as designated by the Federal Energy Management Program. Use of high energy consuming tools or equipment is subject to approval by the KO prior to use.
2.10.2	Environmental Protection	The Contractor shall comply with all applicable Federal, state, and local laws, regulations, and executive orders, and with DoD, Navy and base-wide instructions, standards, and permit requirements. All environmental protection matters shall be coordinated with the KO. Inspection of any of the facilities operated by the Contractor may be conducted by the Installation Environmental Division, or authorized officials on a no-notice basis. The Contractor shall comply with the instructions of the cognizant Navy Medical Department with respect to avoidance of conditions which create a nuisance or which may be hazardous to the health of military or civilian personnel. The Contractor is responsible for ensuring that its employees receive applicable environmental and occupational health and safety training, and are kept up to date on regulatory required specific training for the type of work to be conducted onsite. All on-site Contractor personnel, and their subcontractor personnel, performing tasks that have the potential to cause a significant environmental impact shall be competent on the basis of appropriate education, training or experience.
2.10.2.1	Sampling, Testing and Laboratory Services	<p>The Contractor shall develop a written training plan and documentation of training for all sampling, testing, and laboratory personnel to demonstrate technical proficiency.</p> <p>The Contractor shall develop a written sampling plan for each sampling event and submit to the KO and COR. The sampling plan shall summarize what will be sampled, the sampling equipment expected to be used and the number and location of samples expected to obtain a representative sample. The Contractor shall re-sample, test and obtain laboratory analysis upon request and submit results to the KO and COR, at no additional cost to the Government.</p> <p>The Contractor shall provide collection and analytical testing of samples in accordance with the latest version of the test methods set forth in 40 CFR 261, 40 CFR 262, or Test Methods for evaluating Solid Waste, Physical/Chemical Methods, EPA Publication SW0846 and State of Florida, Department of Environmental Protection Sampling SOPs.</p> <p>Laboratory shall be certified by the State of Florida Department of Health for the specific analytical procedure in accordance with all Federal and State regulations. Analytical reports shall be in the format described in the Florida Administrative Code (FAC) 62-160.</p>
2.10.2.2	ODS Requirements	The Contractor shall comply with all federal, state and local environmental laws and regulations, and specifically requirements of Sections 608 and 609

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	for Refrigerant Recycling	<p>of the Clean Air Act Amendments (CAAA) of 1990, 40 Code of Federal Regulation Part 82 (40 CFR 82) and of paragraph 22-3.6 (Management of Ozone-Depleting Substances) of OPNAVINST 5090.1 Environmental Readiness Program Manual, and Navy ODS Advisory 96-02 Refrigerant Leak Repair and Record Keeping as pertaining to this contract.</p> <p>Technicians shall be certified through an EPA approved program. Copies of their certifications shall be maintained at the employee's place of business and carried as a wallet card by the technician. All certificates shall be legible. Certifications shall be for the type of equipment they will be using (Universal Certification is preferred). Contracting Officer (KO) shall be provided a copy of all certificates. Contractor shall use only EPA approved refrigerant recovery equipment. A list of equipment including name of manufacturer, model number, serial number, date manufactured and a list of names of EPA Certified Technicians shall be provided at start of contract and whenever requested by KO.</p> <p>Recordkeeping shall document and demonstrate contractor compliance with regulatory and Navy requirements cited above. A Government ODS Tracking and Inventory System (OTIS) database will be provided for contractor use. Contractor may choose to use a commercially available ODS recordkeeping and tracking software if it provides similar recordkeeping and is deemed acceptable to the KO. Other methods of maintaining and tracking ODS recordkeeping requirements and compliance demonstration may be presented for consideration in lieu of using one of the above cited software if it meets regulatory recordkeeping requirements and is approved by KO. All records for work on refrigerant equipment shall contain at a minimum, the date, the technician's name, certification ID, equipment identifier and location, work performed, amount of refrigerant added or removed, and final determination of equipment status.</p> <p>A complete, up to date inventory of refrigerant containing equipment (maintained under this contract and Contractor owned) on board the installation shall be maintained at all times. The contractor is responsible for updating all recordkeeping software and for maintaining accurate and up to date refrigerant records. Contractor shall provide the KO with an updated copy of OTIS database or representative software data files quarterly and at conclusion/termination of contract. Contractor's ODS records shall be readily available for inspection by government and regulators.</p> <p>Records shall be maintained on all refrigerant removal operations performed prior to small appliance or motor vehicle air condition appliance disposal. The recovery date, technician's name and a statement that all refrigerant and oil that had not previously leaked was removed in accordance with 40 CFR 82 shall be included in the disposal records. A weather resistant label or tag shall be placed on units pending disposal stating harmful refrigerants and oil have been removed from the unit in compliance with Section 608 of the CAA. The label or tag shall provide the company name &amp; address, technician name, phone number, and date refrigerant was removed.</p> <p>Records shall be kept for all maintenance and refrigerant recovery operations/services performed on equipment that normally contains 50 pounds or more refrigerant. Data to be included in records shall include date leak discovered (if applicable), service/repair date, technician's name,</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>service/repair description, amount of refrigerant recovered prior to servicing/repairing beginning, and amount of refrigerant added (final charge) upon completion of repairs. Leaks are to be repaired whenever identified on refrigerant equipment. Satisfactory leak repair verification tests shall be performed and documented within 30 days of repair. Support documents such as Job Orders, Service Tickets, and Preventive Maintenance Tickets shall be maintained for all units. The base environmental office must be notified immediately if a repair cannot be made within 30 days of discovery of a leak, so notification can be made to the EPA.</p> <p>The Contractor is responsible for performing all leak rate calculations for equipment normally containing 50 pounds or greater of refrigerant per 40 CFR Part 82.166. Leak rate calculations shall be performed every time refrigerant is added to the equipment. OTIS or the other approved recordkeeping system shall be used to calculate leak rates. The base environmental office shall be notified if the leak rate for a piece of equipment ever exceeds 15% for a 12 month period.</p> <p>Records detailing accidental venting of ODS are maintained; these records shall include as a minimum the date, type, location, amount vented, and reason for venting.</p> <p>Records detailing the type and amount of refrigerant purchases shall be kept.</p> <p>Excess class I and II (e.g., R11, R12, R22, R113, R114, R500, R502) ODS shall be returned to the Defense Logistics Agency (DLA), in accordance with Department of Defense (DoD) Ozone Depleting Substances (ODS) Turn-in Procedures. Contact DLA for the latest turn-in procedures. As per above procedure, all reclaimed refrigerants cited above shall be stored in approved DLA containers, made for the intended purpose and transported by the Contractor to the Defense Logistics Agency (DLA) as instructed in the procedure.</p> <p>Once the contractor has delivered the refrigerant to DLA in Richmond, contractor shall provide to the Contracting Officer (KO) a shipping document stating the amount and type of refrigerant received by DLA. This document shall contain the date and time received, name, phone number, and signature of the person who received the refrigerant.</p> <p style="text-align: center;">DLA Richmond Address is: Defense Depot Richmond Va. (DDVA) SW0400 Cylinder Operations 8000 Jefferson Davis Highway Richmond, Virginia 23297-5000</p> <p>All refrigerant shall be turned into DLA or returned to the government. Under no circumstances shall any refrigerant be turned over to a contractor as payment or for disposal. All refrigerant is a Navy Commodity that must be returned to the government.</p> <p>All ODS records shall be submitted to the Government within four hours of request.</p>
2.10.2.3	Solid Waste Management and Recycling	The Contractor shall comply with NAVSTA Mayport's Solid Waste Management Plans and OPNAVINST 5090.1 series for Contractor generated waste. The Contractor shall submit Solid Waste Management Reports to the

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>KO and COR within three months after start of contract performance and by annually (by October 10<sup>th</sup>) thereafter. Solid Waste Management Reports Form provided in J-0200000-05.</p> <p>The Contractor shall recycle concrete, scrap metal, tires, wooden pallets, cardboard, asphalt, yard waste and submit quarterly reports to the KO and COR with recycling weight ticket receipts.</p>
2.10.2.4	Non-RCRA Regulated Waste Disposal	<p>The Contractor shall dispose all wastes in accordance with all applicable Federal, state, and local laws, regulations, and executive orders, and with base-wide instructions, standards, and permit requirements.</p> <p>All non-RCRA regulated waste shall be disposed of in accordance with all applicable Federal, state, and local laws, regulations, and instructions, such as: 40 CFR, SOPA (ADMIN) MYPTINST 5090.1, etc.</p> <p>Disposal of all non-regulated debris and rubbish resulting from the work under this contract shall comply with the federal regulations in 40 CFR Part 258 (Subtitle D of RCRA), or equivalent state regulations and be disposed of at appropriate off installation waste handling facilities.</p> <p>The Contractor shall reimburse the Government for all waste disposed of via NAVSTA Mayport’s permitted Part B Facility, as described in Spec Item 2.10.2.6.</p>
2.10.2.5	Regulated Waste Disposal	<p>The Contractor shall dispose of regulated waste in accordance with the Resource Conservation and Recovery Act and all other applicable Federal, state and local laws, regulations and instructions, such as: 40 CFR, SOPA (ADMIN) MYPTINST 5090.1, etc.</p> <p>All regulated waste shall be disposed of through NAVSTA Mayport Part B Facility. The Contractor shall reimburse the Government for all waste disposed of via NAVSTA Mayport’s permitted Part B facility. The current rate for disposal of both regulated and non-regulated waste is \$1.36<del>25</del> per pound plus a 5.5% surcharge.</p> <p>Variations in Rate:</p> <ul style="list-style-type: none"> <li>• Changes in the disposal rates shall not be basis for adjustment to the contract price or a claim unless the deviation from the quoted price exceeds 15%. When the disposal rates varies by more than 15%, the contract price will be adjusted to reflect the amount the actual charge exceeds the rate quoted; however, the Government will only be liable for the amount of cost exceeding 15% of the rate quoted. For example, if a quoted rate increases by 16%, the Government will only be liable for 1% of the rate increase. Vice versa if the quoted rate decreases by 16%.</li> <li>• The rates are subject to change.</li> </ul> <p>The Contractor shall provide waste stream determinations, as required by 40 CFR 262.11 and complete Waste Stream Determination forms for each of the Contractor’s processes that generates regulated waste. Waste Stream Determination forms shall be submitted to the KO within 30 calendar days prior to start of contract performance and within 14 days of identification of any new waste stream.</p>
2.10.2.6	Universal Waste	<p>The Contractor shall collect and manage all Universal Waste generated under the performance of this contract in accordance with the applicable Federal,</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		state and local laws, regulations and instructions, such as: 40 CFR, SOPA (ADMIN) MYPTINST 5090.1, etc. Universal Waste shall be disposed of through NAVSTA Mayport Part B Facility. The Contractor shall reimburse the Government for all waste disposed of via NAVSTA Mayport's permitted Part B Facility, as described in Spec Item 2.10.2.6.
2.10.2.7	Spill Prevention, Containment, and Clean-up	<p>The Contractor shall identify, clean-up and control contractor caused hazardous substance spills according to the regulations set forth by all applicable Federal, State, and local regulatory agencies, NAVSTA Mayport Hazardous Waste Management Plans, Spill Prevention, Control, and Countermeasure Plans, and Facility Response Plans and SOPA (ADMIN) MYPTINST 5090.4 series at no additional cost to the Government.</p> <p>The Contractor shall report all fuel and hazardous substance spills on NAVSTA Mayport within 15 minutes of discovery to the Regional Dispatch Center by dialing 911 from a station landline. If calling from a device not connected to a station landline, notify the emergency dispatcher you are calling from NAVSTA Mayport and you will be transferred to the Regional Dispatch Center. The Contractor shall notify the KO as soon as possible but not more than 24 hours after spill. Spill report shall be submitted within 48 hours per Section F.</p>
2.10.2.8	Hazardous Material Management	<p>The Contractor shall support the Consolidated Hazardous Material Reutilization and Inventory Management Program (CHRIMP).</p> <p>The Contractor shall submit an Emergency Planning and Community Right to Know Act (EPCRA) Report and Contractor Hazardous Material Inventory Log per Section F.</p> <p>The Contractor shall per EPCRA Section 312 and 313, maintain Process Material Logs, and provide annual reports necessary for the Government to prepare EPCRA reports. Annual submittals shall be reported for the Contractor's operations at each installation. Information shall be controlled at a centralized point. Update Process Material Logs monthly or as needed. Based on the information tracked with the Process Material Logs, estimate the average amount of each material stored throughout the year. The Contractor shall submit the Process Material logs in electronic database or spreadsheet, compiled for the year; and forward information to the KO and NAVSTA Mayport Environmental annually by January 15th for each previous calendar year. Separate Process Material Logs from different Contractor shops, departments or personnel are not acceptable. Directions for process material log sheets provided in J-0200000-05.</p> <p>The Contractor shall comply with all requests for participation to support EPCRA reporting requirements information per sections 304 Emergency Notification, sections 311 and 312 Community-Right-To Know and 313 Toxic Chemical Release Reporting of EPCRA and 40 CFR 370. Reporting shall include and indicate whether the hazardous chemical that would normally be exempted under EPCRA requirements shall be done regardless of the amount or threshold planning quantity. Exemptions allowed by EPCRA or DOD policy do not apply for data collection and information reporting by the Contractor. Sample hazardous material log sheets provided in J-0200000-05</p> <p>The Contractor shall report, per (CERCLA) Hazardous Substance Releases: Per 40 CFR 300 and 355, if in the course of Contractor operations, an EHS or</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>CERCLA hazardous substance is released or spilled, report the release to the KO, NAVSTA Mayport Fire Department, and NAVSTA Mayport Environmental within 30 minutes. Provide all requested additional information in support of the affected base. Call 911 for emergency releases. The Contractor shall provide written reports to KO and NAVSTA Mayport Environmental Department within 48 Hours.</p> <p>The Contractor shall receive approval from the KO prior to bringing hazardous material on Government Property or prior to any other use in conjunction with this contract. For approval to use any hazardous material, allow a minimum of 10 working days for processing the request. The Contractor shall post Safety Data Sheets (SDS) at the worksite where the products are being used. The Contractor shall maintain a hazardous material usage log along with SDS' for all hazardous materials used in performance of this contract. A HAZMAT Inventory and Use Log shall be completed and submitted to the KO, COR and NAVSTA Mayport Environmental Division monthly. Should the Government determine that a chemical the Contractor will use needs to be tracked; the Government may direct the Contractor to submit additional information in order to fulfill reporting requirements.</p> <p>The Contractor shall ensure that procedures are in place to deal with hazardous materials, pursuant to the FAR Clause 52.223-3, HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA. These provisions are included in 29 CFR 1910.1200 and OPNAV INST 4110.2, and can be viewed at the NAVSTA Mayport Safety Office.</p> <p>Notwithstanding any other hazardous material used in this contract, radioactive materials or instruments capable of producing ionizing/non-ionizing radiation (with the exception of radioactive material and devices used in accordance with EM 385-1-1 such as nuclear density meters for compaction testing and laboratory equipment with radioactive sources) as well as materials which contain asbestos, mercury or polychlorinated biphenyls, di-isocyanates, lead-based paint are prohibited. The Contracting Officer, upon written request by the Contractor, may consider exceptions to the use of any of the above excluded materials. Low mercury lamps used within fluorescent lighting fixtures are allowed as an exception without further Contracting Officer approval. Notify the Radiation Safety Officer (RSO) prior to excepted items of radioactive material and devices being brought on base.</p>
2.10.2.9	Protection of Endangered and Threatened Species (Flora and Fauna)	The Contractor shall not disturb endangered and threatened species and their habitat. The Contractor shall carefully protect in-place and report immediately to the KO endangered and threatened species discovered in the course of work. The Contractor shall stop work in the immediate area of the discovery until directed by the KO to resume work.
2.10.2.10	Noise Control	The Contractor shall comply with all applicable Federal, state and local laws, ordinances, and regulations relative to noise control.
2.10.2.11	Salvage	All material and equipment removed or disconnected that is sound and of value shall remain the property of the Government. The Contractor shall deliver this material and equipment at the Contractor's expense to the locations specified by the KO.
2.10.2.12	Asbestos Containing Material	Asbestos containing insulation, flooring, and other building materials may be encountered by the Contractor during the performance of work under this contract, and the Contractor shall remain alert to this possibility. If ACM is

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	(ACM)	encountered or suspected in the performance of work, the Contractor shall avoid removing, sanding, abrading, or disturbing the material. The Contractor shall verbally notify the KO within one hour and follow-up with written ACM Notification within 24 hours.
2.10.2.13	Protection of Cultural Resources	The Contractor shall not disturb any areas identified to contain cultural resources. The Contractor shall carefully protect in-place and report immediately to the KO cultural resources discovered in the course of work. The Contractor shall stop work in the immediate area of the discovery until directed by the KO to resume work
2.10.2.14	Storm Water Pollution Prevention	Discharge to the storm water system of hazardous substances or anything other than storm water or de-chlorinated potable water shall not be permitted under any circumstances. Store hazardous materials in a centralized location indoors, undercover, or in lockers that prevent contact with storm water. Locate storage areas away from drains. Collect and properly dispose non-regulated construction wastes, trash and debris throughout the site at least once a day and before storm events
2.10.2.15	Fuel Storage Tanks	<p>Prior to bringing fuel storage tanks on NAVSTA Mayport, the Contractor shall submit tank specifications and obtain written approval from the KO and NAVSTA Mayport Environmental. All fuel tanks shall comply with NAVSTA Mayport SPCC Plan. The Contractor shall maintain, inspect and test Contractor owned tanks in accordance with NAVSTA Mayport SPCC Plan.</p> <p>The Contractor shall maintain two files for each tank. One file shall include monthly inspections and annual sensor tests. The second file shall include all repairs/modifications made to the tank(s). Any repairs regardless of who performs repairs to the tank systems shall be documented in the tank file for future review. The files shall be the property of the Government and made available during the Government's regular working hours. The files shall be turned over to the KO within five calendar days of termination of the contract.</p>
2.10.2.16	Clean Air Act (CAA)	<p>The Contractor shall comply with CAA reporting requirements established by the NAVSTA Mayport Title V Air Operation Permit. The Contractor shall track Hazardous Air Pollutants on a monthly rolling average and submit semi-annual reports to the KO, COR, NAVSTA Mayport Environmental Division, City, State and EPA.</p> <p>The Contractor shall provide Hazardous Air Pollutant (HAP) monthly data, including Subcontractors, for application of coatings, solvents (including stripping solvents), adhesives, and other volatile organic compounds and/or HAPs containing material to miscellaneous parts in booths, buildings, hangars, ships, and open air surface coating operations. The Contractor shall track all Hazardous Air Pollutants (HAPs) used in contract maintenance and repair operations. Sample form provided in J-0200000-05.</p>
2.10.2.17	Dewatering	<p>The Contractor shall obtain all required permits from the Florida Department of Environmental Protection for any draining or discharge of groundwater to surface water, including to a conveyance that connects to surface water.</p> <p>The Contractor shall submit a Dewatering Plan to the KO and COR for with a site map and indicate type of pumping system, planned duration, pump capacity, sediment controls, and discharge point for review and acceptance, per Section F.</p>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		The Contractor shall obtain all required permits from the St. Johns River Water Management District for groundwater withdrawal that is not otherwise exempt by regulation. Appropriate sediment and turbidity controls shall be maintained for the duration of the discharge.
2.10.3	Sustainable Procurement and Practices	<p>The Contractor shall develop, submit, and implement a Sustainable Procurement and Practices Plan per Section F. This plan shall identify how the Contractor will comply with all applicable Federal, state and local laws and regulation, including E.O. 13693, Installation Energy Management Program and Water Conservation Programs and energy reduction requirements. The plan shall specifically address the following components:</p> <ul style="list-style-type: none"> <li>• Recycled Contents Products</li> <li>• Energy/Water efficiency</li> <li>• Energy Efficient Tools and Equipment</li> <li>• Alternate Fuels and Alternate Fuel Vehicles</li> <li>• Bio-based Products</li> <li>• Non-Ozone Depleting Products</li> <li>• Environmental Preferred Products and Services</li> <li>• Low/Non-Toxic and Hazardous Materials</li> </ul> <p>The Contractor shall submit an annual Sustainable Delivery of Services Report per Section F.</p>
2.10.3.1	Environmentally Preferable Products	The Contractor shall procure and use products that are energy-efficient (Energy Star or Federal Energy Management Program (FEMP)-designated), water efficient, bio-based, environmentally preferable (e.g., Electronic Product Environmental Assessment Tool (EPEAT)-registered), non-ozone depleting, contain recycled content, or are non-toxic or less toxic alternatives, where such products and services meet performance requirements.
2.10.3.2	Use of Recovered Materials	<p>The Government has an affirmative procurement program to promote the purchase of products containing recovered materials. The intent is to reduce the solid waste stream and conserve natural resources by establishing markets for recycled content products and encouraging manufacturers to produce quality products containing recovered materials. Participate in this program by using, for Environmental Protection Agency (EPA) designated items, recovered materials to the maximum extent practicable without jeopardizing the intended end use of the item. The percentage of recovered materials content levels for use in the performance of this contract will be, at a minimum, the amount recommended in the EPA Comprehensive Procurement Guideline (CPG) Product Index website <a href="http://www.epa.gov/epawaste/conservetools/cpg/index.htm">http://www.epa.gov/epawaste/conservetools/cpg/index.htm</a></p> <p>Use of EPA designated products is not required for products that are either not available within a reasonable period of time, are not available at a reasonable price, are not available from a sufficient number of sources to maintain a satisfactory level of competition, or fail to meet performance standards based on technical verification. EPA designation of products is an on-going process. Listings of EPA designated products containing recovered materials are found in 40 CFR 247. Make recommendation and submit Recovered Material Certification, per Section F, when a product containing recovered materials is equal to or better than the original and could be used for this contract. All changes of products must be accepted by the KO before it is used.</p>
2.10.3.3	Use of Bio-based Products	The Contractor shall make maximum use of bio-based products in accordance with the FAR Clause 52.223-2 -- AFFIRMATIVE PROCUREMENT OF

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		BIOBASED PRODUCTS UNDER SERVICE AND CONSTRUCTION CONTRACTS. Information about these products is available at <a href="http://www.usda.gov/biopreferred">http://www.usda.gov/biopreferred</a> .
2.11	Disaster Preparedness	<p>The Contractor shall comply with the installation's Contingency Instructions and NAVSTAMYPTINST 3440.2 Tropical Destructive Weather Plan. The Contractor shall support the installation contingency response plan as directed by the KO.</p> <p>The Contractor shall identify Contractor Mission Critical/Essential personnel, their assignments, contact information and submit this information to the KO and COR per Section F.</p>
2.12	Technical Library	<p>Existing technical library contents, including facility drawings, operation &amp; maintenance manuals, warranties, Government publications, record drawings and other appropriate material, will be furnished by the Government.</p> <p>The Contractor shall continually update library material to ensure all data is current, complete, accurate and suitable for intended use. The Contractor shall monitor the use of the libraries to ensure materials are returned and data integrity is not compromised. The Contractor shall maintain the libraries until completion or termination of the contract and make the libraries available for inspection by prospective offerors for successive contracts. The technical library contents are the property of the Government and shall be turned over to the KO upon completion or termination of the contract. The Contractor shall submit a copy of their Technical Library Table of Contents per Section F.</p>
2.13	Warranty Management	<p>Prior to performing repair work, the Contractor shall report to the KO any defect in workmanship, material, or parts, and any improper installation of equipment and components that are covered by a warranty. The Contractor is responsible for knowing which equipment and components are covered by the original warranty and the warranty duration. The KO will provide available warranty documents.</p> <p>The Contractor shall maintain warranty files for Non-recurring work, for equipment installed under service orders, and for equipment installed by other contractors.</p> <ol style="list-style-type: none"> <li>1) For Non-recurring work performed under this contract, the Contractor is responsible for a one year labor warranty commencing from the date of acceptance of the work. Manufacturer's warranties shall apply to any equipment installed through an Indefinite Quantity Job Order. The contractor shall be responsible for coordinating with manufacturers responsible for the repair or replacement of equipment and materials used to perform Job Orders.</li> <li>2) For any service orders completed in accordance with Section C, the Contractor is responsible for a 90 day labor warranty commencing from the completion date of the service order. Manufacturer's warranties shall apply to any equipment installed under a service order. The contractor shall be responsible for coordinating with manufacturers responsible for the repair or replacement of equipment installed under a service order.</li> <li>3) For all installed or constructed equipment and material (i.e. roofs, HVAC equipment, etc.), the Contractor shall maintain a log of all warranties applicable. The Contracting Officer shall furnish the Contractor with the effective dates, names, and addresses of the parties responsible for such warranties. The Contractor shall be</li> </ol>

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>responsible for contacting the responsible parties and coordinating all warranty work required.</p> <p>4) The Contractor shall maintain neat and orderly written records, to include letters, faxes, logged phone calls, etc., of warranty work requested and performed. The Government may request information from these records at any time.</p>
2.14	Recurring Work Procedures	
2.14.1	Notification to the Government for Work Above the Recurring Work Limitations	<p>The Contractor is fully responsible for work up to the recurring work limits of liability. Recurring work limits of liability are specified in subsequent annexes or sub-annexes. When work is expected to exceed the recurring work limits of liability, the Contractor shall notify the KO and provide a rough order of magnitude (ROM) estimate for the work exceeding the Contractors recurring work limits of liability within two hours of identification. For the portion exceeding the Contractors recurring work limit of liability, the Government may issue a service order or non-recurring work task order in accordance with the non-recurring work portion of the contract detailed below or accomplish the work by means other than this contract.</p> <p>The Contractor shall provide a detailed scope of work and detailed estimate, within two work days of the notification to the KO, per the non-recurring work procedures in Spec Item 2.15 for any potential task orders resulting from work that exceeded a recurring work limit of liability in the contract. The estimate shall include the full scope of Work and clearly show the deductions for the applicable recurring work limit of liability. The resultant proposed price shall be for the portion of the work exceeding the recurring work limit of liability. Further, the Contractor shall prepare and provide scopes of work and estimates in this manner to the KO when requesting a determination that a recurring work limit of liability has or will be exceeded.</p> <p>Informational Note: The Government has found that providing ROMs, detailed scopes of work and detailed estimates per the non-recurring work procedures in Spec Item 2.15 within two work days has required a significant effort to successfully meet the requirements.</p>
2.14.2	Recurring Work Exhibit Line Item Numbers (ELINs)	Recurring Work ELINs are provided in J-0200000-13.
2.15	Non-Recurring Work	Non-Recurring Work is identified in each applicable annex or sub-annex. Non-Recurring Work may consist of Unit Priced Task (UPT) Work (non-negotiated) and Unit Priced Labor (UPL) Work (negotiated). The Contractor shall perform all Non-Recurring task work as ordered by the KO per Section G and DoD EMALL/FEDMALL requirements in Section H. Non-Recurring Work will consist of Unit Priced Tasks and Unit Priced Labor Work which may be ordered by the Government as separate items or in combinations of items from the Non-Recurring Work Exhibit Line Items (ELINs) provided in Section J on an as needed basis.
2.15.1	Unit Priced Task (UPT) Work (Non-Negotiated)	A UPT is defined as a Non-Recurring Work item that includes all direct and indirect costs plus profit associated with the particular unit of work. All materials and equipment (rented, leased or Contractor-owned) required for the accomplishment of a UPT shall be included within the respective exhibit

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		line item prices. The fixed price for the task order is determined by multiplying the exhibit line item unit prices by the quantities ordered. The Contractor is not required to submit cost estimates for UPTs.
2.15.1.1	Acceptance and Performance	The Contractor shall possess the capability to accept and perform Non-Recurring Work via an electronic medium with supported commands utilizing their Government Purchase Card (GPC). DoD EMALL/FEDMALL is the electronic medium for authorized Government personnel to place orders for service to the Contractor. DoD EMALL/FEDMALL is located at www.emall.dla.mil under NAVFAC contract. The Contractor is required to report all Non-Recurring Work quantities ordered via DoD EMALL/FEDMALL per Section F.
2.15.1.2	Invoicing and Receiving Payment	Payment for completed DoD EMALL/FEDMALL orders will be made using the GPC. Reference “payment by third party” clause FAR 52.232-36. The Contractor shall possess the capability to invoice and receive payment for Non-Recurring Work via an electronic medium with supported command representatives utilizing their GPC. No partial or advance payments will be provided.
2.15.2	Unit Priced Labor (UPL) Work (Negotiated)	The Contractor shall perform all UPL work in accordance with the scope and delivery schedule negotiated per each task order. UPL work is defined as Non-Recurring Work that utilizes negotiated labor hours and materials to accomplish a task not required by the Recurring Work portion of the contract. UPL includes separately priced labor, material, and equipment exhibit line items. The Contractor shall prepare and furnish a detailed cost estimate identifying proposed labor, material, and equipment costs, which upon approval by the KO, becomes the fixed price for the task order.
2.15.2.1	Non-Recurring Work Preparation of Proposals	The Contractor shall submit a Non-Recurring work proposal to the KO within two working days following receipt of request for each potential task order, which includes: 1) a complete list of all tasks necessary to perform the required scope of work, 2) the number of direct labor hours to perform each task and 3) the projected quantity and costs of materials and equipment to perform the required scope of work.
2.15.2.1.1	Labor Requirements	Accepted industry time standards published in R. S. Means cost data, industry organizations, and similar estimating sources shall be used for determining the number of direct labor hours required to complete the scope of work. The total labor cost will be determined by totaling the number of direct labor hours and then multiplying by the UPL amount in the Non-Recurring Work Exhibit Line Items (ELINs) provided in Section J.
2.15.2.1.2	Material and Equipment Requirements	Accepted industry and Government material and equipment costs published in R. S. Means cost data, national material supplier catalogues, U.S. Army Corps of Engineers Construction Equipment Ownership and Operating Expense Schedule (EP 1110-1-8), equipment rental catalogues, and similar estimating sources shall be used for determining customary and reasonable costs for the material and equipment estimate. Projected material requirements shall include a list of materials establishing the size, quality, number of units, and unit prices. Pre-expended bin supplies and materials shall not be included in the list of materials since the cost for these items are to be included in the labor hour unit price. Material prices shall be the lowest price available considering the availability of materials and the time constraints of the job. The direct material price shall include all discounts and rebates for core value and salvage value that accrue to the Contractor and Contractor-furnished warehousing cost. Equipment costs shall include rental and lease costs, ownership costs where Contractor-owned, equipment mobilization, and tools, not priced under the Recurring Work portion of the

Section C – 0200000  
Management and Administration

<b>0200000 - Management and Administration</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		contract.
2.15.2.2	Issuance of Final Task Order	The KO will order unit priced labor by issuing to the Contractor a copy of the approved scope of work and a task order for the work described, in accordance with Section G. Task order completion times will be specified on each task order.
2.15.3	Non-Recurring Work ELINS	Non-Recurring Work ELINs are provided in J-0200000-13.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification, Training, and Licensing
2.3	Special Requirements
2.3.1	Scheduling Fleet Readiness Center Southeast (FRCSE) Work
2.3.2	Workmanship and Material Standards
2.3.3	Historical Preservation
2.4	References and Technical Documents
3	Recurring Work
3.1	Service Orders
3.1.1	Emergency Service Orders
3.1.2	Urgent Service Orders
3.1.3	Routine Service Orders
3.2	Preventive Maintenance (PM) Program
3.2.1	Compressed Air Systems
3.2.2	Door and Gate Systems
3.2.3	Galley Equipment and Systems
3.2.4	Security Systems and Equipment
3.2.5	HVAC and Refrigeration Systems
3.2.6	Self-Retracting Lifelines (SRL) and Trolleys
3.2.7	Unfired Pressure Vessels (UPV)
3.2.8	Ventilation Systems
3.2.9	Vertical Transportation Equipment (VTE)
3.3	Integrated Maintenance Program (IMP)
3.3.1	Airfield Lighting Systems
3.3.2	Auxiliary Generator Systems
3.3.2.1	Uninterruptible Power Supplies (UPS)
3.3.3	Boiler Systems
3.3.3.1	Boiler Systems Maintenance
3.3.3.2	Boiler Water Testing and Treatment Services
3.3.4	Fire Protection Systems
3.3.5	Frequency Converters (400 HZ) Systems
3.3.6	HVAC and Refrigeration Systems
3.3.6.1	HVAC and Refrigeration Systems Maintenance
3.3.6.2	HVAC Seasonal Start-Up and Shutdown
3.3.6.3	HVAC Water Testing and Treatment Services
3.3.6.4	Condenser Tube Inspection
3.3.7	Hangar Door Systems - MegaDoor
3.3.8	Rainwater Harvesting Systems
3.3.9	Vertical Transportation Equipment (VTE)
3.4	Inspection, Testing, and Certification Program
3.4.1	Backflow Prevention Devices
3.4.2	Boilers and UPVs
3.4.3	Grounding Points
3.4.4	Self-Retracting Lifelines (SRL)
3.4.5	Vertical Transportation Equipment (VTE)
3.5	Other Recurring Services Program
3.5.1	Exhaust Hoods and Duct Systems

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>	
3.5.2	Fuel Storage Tanks and Berms
3.5.3	Grease and Grit Traps
3.5.4	Lighting Systems
3.5.4.1	Traffic Control Lighting Systems
3.5.5	Lint Traps
3.5.6	Oily Water Separators
3.5.7	Process Water Treatment
3.5.8	Septic Systems
4.0	Non-recurring Work

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform Facility Investment services for facilities, systems, ground structures and other assets at Naval Air Station Jacksonville, Florida; Outlying Field Whitehouse Jacksonville, Florida, Cecil Field Commerce Center Jacksonville, Florida and outlying areas supported by these commands.
1.1	Concept of Operations	<p>The intent of 1502000 Facility Investment is to specify the requirements for Sustainment, Restoration, and Modernization (SRM) requirements for facilities, systems, ground structures and other assets. The Facility Investment requirements within this sub-annex primarily consist of infrastructure sustainment and minimal restoration and modernization work. Sustainment is the maintenance and repair necessary to keep facilities, systems, ground structures and other assets in good working order. Some restoration, modernization, major repair, minor construction and stand-alone demolition may be accomplished as part of Facility Investment.</p> <p>The Contractor shall perform maintenance, repair, alteration, minor construction and demolition on facilities, systems, ground structures and other assets; such as:</p> <p><b>Building and Structures</b></p> <ul style="list-style-type: none"> <li>-Interior and exterior finishes</li> <li>-Roofing</li> <li>-Foundation</li> <li>-Structural Components</li> <li>-Cathodic Protection Systems</li> <li>-Tanks</li> <li>-POL System</li> <li>-Pipelines</li> </ul> <p><b>Building Systems</b></p> <ul style="list-style-type: none"> <li>-HVAC</li> <li>-Fire Protection</li> <li>-Vertical Transportation Equipment (VTE)</li> <li>-Intrusion Detection Systems</li> <li>-Bridge and Jib Cranes</li> <li>-Boilers (excluding Central Utility Plant Boilers)</li> <li>-Unfired Pressure Vessels (UPV)</li> <li>-Compressed Air Systems</li> <li>-Monitoring and Maintenance of Pool Systems</li> <li>-Potable Water (including backflow prevention devices)</li> <li>-Wastewater</li> <li>-Electrical</li> <li>-Natural Gas</li> <li>-Lightning Arrestors and Grounding Devices</li> <li>-Cathodic Protection Systems</li> <li>-Auxiliary Generator Systems (including emergency and portable generators)</li> <li>-Uninterruptible Power Systems (UPS)</li> <li>-Grease Traps</li> <li>-Exhaust Hoods and Ducts</li> <li>-WHE</li> </ul> <p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>-Signs</li> <li>-Fences</li> </ul>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<ul style="list-style-type: none"> <li>-Locksmith</li> <li>-Drainage Ditches</li> <li>-Monuments</li> <li>-Flag Poles</li> <li>-Unpaved Roads (gravel roads)</li> </ul> <p>Roads and Paved Surfaces</p> <ul style="list-style-type: none"> <li>-Traffic Control Devices</li> <li>-Bicycle Paths</li> <li>-Pedestrian/Jogging Paths</li> <li>-Striping</li> <li>-Curbs</li> <li>-Sidewalks</li> <li>-Parking Lots</li> <li>-Bridges</li> <li>-Drainage Systems</li> <li>-Outdoor Courts</li> <li>-Pits and Trenches</li> </ul> <p>Waterfront</p> <ul style="list-style-type: none"> <li>-Piers</li> <li>-Bulkheads</li> <li>-Wharfs</li> <li>-Cathodic Protection Systems</li> </ul> <p>Trackage</p> <ul style="list-style-type: none"> <li>-Railroads</li> <li>-Crane and Elevated Crane</li> </ul> <p>Airfields</p> <ul style="list-style-type: none"> <li>-Runways</li> <li>-Taxiways</li> <li>-Aircraft Parking Areas</li> <li>-Aviation Fuel Systems</li> </ul>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are provided in J-1502000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the FI function.
2.2.1	Certification, Training, and Licensing	<p>All work shall be performed by personnel trained and certified by the OEM.</p> <p>Within 30 days after contract award the Contractor shall provide current, valid certificate or registration under Florida Statutes Chapter 489 Parts I, II and III:</p> <ol style="list-style-type: none"> <li>1. Class A Heating, Air Conditioning, Refrigeration (HAR)</li> <li>2. Plumbing</li> <li>3. Mechanical</li> <li>4. Unlimited Electrical</li> <li>5. Alarm Systems I</li> <li>6. Commercial Pool/Spa</li> <li>7. Septic Tank</li> </ol> <p>Personnel working on security systems and equipment shall be National Institute for Certification in Engineering Technologies (NICET) Level III certified in Video Security Systems Technician.</p> <p>Personnel inspecting, witnessing tests, preparing reports, and issuing certificates for boilers and UPVs shall be qualified per UFC 3-430-07.</p> <p>Personnel maintaining, repairing, inspecting, testing, operating, or rigging WHE shall be qualified per NAVFAC P-307.</p> <p>Personnel inspecting and testing crane and railroad trackage shall be qualified per NAVFACINST 11230.1.</p> <p>Personnel inspecting, certifying, and making recommendations for corrective action for backflow preventers shall be certified per UG-2029-ENV and possess a valid Cross Connection Control Inspectors certificate from the State of Florida.</p> <p>Personnel performing inspections and tests on VTEs shall be qualified per NAVFAC MO-118 and licensed in accordance with the state of Florida FAC 61C-5.007.</p> <p>Personnel inspecting and testing engine test facilities shall be qualified per UFC 4-212-01N.</p> <p>Personnel working on systems, equipment or components containing chlorofluorocarbons (CFCs) and/or hydro-chlorofluorocarbons (HCFCs) shall be certified under an Environmental Protection Agency (EPA) approved technical certification program per OPNAVINST 5090.1 Chapter 6 and licensed in accordance with the state of Florida.</p> <p>Personnel working with or on electrical or electronic equipment shall be trained and certified per NAVFAC MO-200.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>Personnel conducting ground safety checks on lightning arrestors or grounding devices on facilities housing ammunition and explosives shall be certified per NAVSEA OP-5.</p> <p>Fire Protection services shall be managed by a qualified individual who is NICET level III certified in fire alarm or NICET level III certified in special hazards systems. The Fire Protection Services Manager shall provide daily supervision over all Fire Protection Services. The NICET level III certified Fire Protection Services Manager shall be on-site during the Government's regular working hours and shall be available on-site within one hour after the Government's regular working hours.</p> <p>Personnel working on fire protection systems shall be certified in accordance with the requirements below:</p> <p><b>Fire Alarm Systems:</b></p> <ul style="list-style-type: none"> <li>• Fire Alarm: NICET Level II certification in Fire Alarm Systems.</li> <li>• Detection and releasing systems for Special Hazard Systems such as those found in aircraft hangars and computer server rooms: NICET Level II certification in Special Hazard Systems</li> </ul> <p><b>Water Based Suppression Systems:</b></p> <ul style="list-style-type: none"> <li>• Wet Pipe and Dry Pipe Sprinklers: NICET Level II certification in Inspection and Testing of Water Based Systems.</li> <li>• Pre-Action, Deluge, Foam and Antifreeze Systems: NICET Level III certification in Inspection and Testing of Water Based Systems.</li> </ul> <p><b>Special Hazard Systems:</b></p> <ul style="list-style-type: none"> <li>• Clean Agent, CO2 and Combination Detection/Releasing Systems: NICET Level II certification in Special Hazard Systems.</li> </ul> <p><b>Pre-Engineered Kitchen Fire Extinguishing Systems:</b></p> <ul style="list-style-type: none"> <li>• NICET Level II certification in Special Hazards Suppression Systems or certified by ICC/NAFED in Pre-Engineered Kitchen Fire Extinguishing Systems. The service technician shall have the applicable manufacturer's design, installation, and maintenance manual and service bulletins.</li> </ul> <p>Less qualified personnel may assist NICET Levels II and III certified personnel in the execution of inspection, testing, maintenance and repair task. At no time shall less qualified personnel be allowed to execute inspection, testing, maintenance and repair task without a qualified NICET Level II or III certified person physically present within the same facility where the inspection, testing, maintenance and repair task are being executed.</p> <p>Personnel requiring access to Trane Tracer Summit or Trane Tracer ES building automation systems shall have completion certificates for Trane Summit 101, Trane Tracer Summit 102, Trane Tracer SC, and Tracer ES Operations Courses</p> <p>Personnel performing work on transformers shall be knowledgeable of proper procedures for handling and disposing of insulating fluid containing polychlorinated biphenyls (PCBs)</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>Personnel performing work in HAZMAT/HAZWASTE shall complete the HAZMAT/HAZWASTE handling course or have a minimum of one year of experience working with HAZMAT/HAZWASTE.</p> <p>Personnel performing work and obtaining test data on the cathodic protection system shall be trained per UFC 3-570-06.</p> <p>Personnel inspecting tanks and berms shall meet qualification requirements defined by 40 CFR 112</p> <p>The Contractor shall submit proof of all certification, training, and licensing requirements to the KO and COR within four hours of request.</p>
2.3	Special Requirements	
2.3.1	Scheduling Fleet Readiness Center Southeast (FRCSE) Work	In cases where mission impacts cannot be mitigated, the Contractor shall schedule recurring work outside of the Government's regular working hours, off-shifts, Christmas shutdowns and weekends. Historically, approximately 25 percent of work within FRCSE areas has been required to be performed outside normal working hours. However, FRCSE's workload is anticipated to increase over the next several years. Consequently, the percentage of work required to be performed outside normal working hours will increase. The Contractor may consider second and third shifts as an alternative.
2.3.2	Workmanship and Material Standards	<p>The Contractor shall be responsible for maintaining all facilities, systems, and equipment, identified in this technical sub-annex, to a standard that prevents deterioration beyond that which results from normal wear and tear and corrects deficiencies in a timely manner to assure full life expectancy of the facilities, systems, and equipment. Best commercial practices shall be applied in the performance of work. All work shall be completed per approved and accepted industry and equipment manufacturers' standards and shall comply with building and safety codes, applicable activity, local, state, and federal regulations, and other technical requirements identified within this technical sub-annex.</p> <p>Workmanship for maintenance and repair shall include all work necessary to complete facility and system restoration, including touch-up painting and operational checks. Upon completion of work, the Contractor shall ensure all facilities, systems, and equipment are free of missing components or defects which would affect the safety, appearance, or habitability of the facilities and structures or would prevent any electrical, mechanical, plumbing or structural system from functioning in accordance with design intent. Repairs shall be made in accordance with the manufacturers' specifications and guidelines, and standard building codes. The quality of repairs shall meet the applicable standards and shall prevent any malfunction reoccurrences caused by poor workmanship or other contractor inadequacies. The quality of the repaired areas shall be fully compatible with adjacent surfaces or equipment. Except where otherwise specified, replacements shall match existing in dimensions, finish, color, design, and functionality and shall have an appearance similar to the original finished appearance with only minor unobjectionable deterioration resulting from normal use.</p> <p>The Contractor shall not allow debris to spread unnecessarily into adjacent areas nor accumulate in the work area. All such debris, excess material, and parts shall be cleaned up and removed at the completion of the job and at the</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		end of each day work is in progress. Upon completion of work, any stains and other unsightly marks shall be removed.
2.3.3	Historical Preservation	Buildings and facilities designated as historical sites shall be maintained in accordance with Federal, state and local historical policies and regulations.
2.4	References and Technical Documents	References and Technical Documents are provided in J-0200000-04.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall provide Facility Investment services to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.	<p>The Contractor shall develop, implement, and execute a Service Order Program; Preventive Maintenance Program; Integrated Maintenance Program; Inspection, Testing, and Certification Program, and Other Recurring Service Program to sustain, restore and modernize facilities, systems, ground structures and other assets.</p> <p>The Contractor shall maintain all facilities, systems, ground structures and other assets sustainment, restoration, and modernization data and warranty records in the technical library and CMMS in accordance with Annex 2.</p> <p>The Contractor shall provide all necessary test instruments, equipment, and tools required to perform sustainment, restoration, and modernization services.</p> <p>The current facilities descriptions are provided in J-1502000-02.</p> <p>Site maps are provided in J-1502000-03.</p> <p>The Contractor shall document each service (PM, IMP, etc.) at the worksite by affixing or updating a Contractor furnished durable tag to the system or component being serviced, inspected or tested. As a minimum, the tag shall state asset number, the type of inspection and/or test performed the date, and the Contractor's signature. In addition to the PM, IMP, etc. cards attached to the system additional PM, IMP, etc. cards shall be attached directly to gages to document testing/replacement and to strainers to document cleaning.</p>	<p>Facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.</p> <p>Personnel performing work are certified, trained and licensed per Spec Item 2.2.1.</p> <p>Work is accomplished per Spec Item 2.3.2, Workmanship and Material Standards.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			Labels or PM, IMP, etc. cards shall also be attached to storage cylinders to document replacement or hydrostatic testing. Annual System Inspection and Certification Requirement Tags shall be provided and installed on each required suppression system.	
3.1	Service Orders	The Contractor shall perform service order work in a timely manner to accomplish any work identified within the entire boundary of the installation to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.	<p>The Contractor shall receive service orders in accordance with the work reception requirements in Annex 2.</p> <p>The Contractor shall schedule and perform service orders in a way that minimize disruptions to customers and Government operations.</p> <p>Service orders will include a wide variety of work. Sample of historical service order data is provided in J-1502000-04. Historical service order data associated with contracts prior to this solicitation may present data that may not be representative of requirements specified. The Government makes no warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of the historical service order data.</p> <p>The Contractor shall maintain sufficient materials and equipment on hand to support service order work requirements. Lack of availability of material or equipment will not relieve the Contractor from the requirement to complete service order work within the time limits specified.</p> <p>The Government may combine multiple requirements received for the same facility, system, ground structure or other asset at the same time into one service order.</p>	<p>Service order work is responded to and completed within the specified time.</p> <p>Facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with OEM specifications, including recertification if applicable.</p> <p>When service order is complete the facilities, systems, ground structures and other assets do not present danger to personnel or equipment.</p> <p>Service Orders are signed by the original requestor or PAR prior to being closed.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The Contractor has full responsibility for any work up to the service order limit of liability of 32 direct labor hours or \$2,500 in direct material cost per service order. The Government will only pay for the portion of direct labor and/or direct material that exceeds the service order limits of liability.</p> <p>The Contractor shall notify the KO upon identification that the service order will exceed the specified limits of liability in accordance with reporting requirements in Annex 2. If a non-recurring work is issued for the portion exceeding the specified service order limits of liability, the Government will only pay for the portion of direct labor and/or direct material that exceeds the service order limits.</p> <p>Examples of work exceeding the Service Order limits of liability:</p> <ul style="list-style-type: none"> <li>• If a service order requires 33 direct labor hours and \$2,500 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Service Order limit of liability.</li> <li>• If a service order requires 32 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Service Order limit of liability.</li> <li>• If a service order requires 33 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the</li> </ul>	

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Non-recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Service Order limit of liability.</p> <p>The Contractor may invoice for completed service orders. The Contractor shall not invoice for incomplete service orders and service orders not issued. A modification will be process at the end of each period of performance to deduct for service orders not issued and incomplete service orders. Deduction will be based on the unit prices specified in Attachment J-0200000-13 ELINs.</p> <p>The Contractor shall submit a monthly summary of completed service orders per Section F.</p>	
3.1.1	Emergency Service Orders	The Contractor shall perform emergency service order work in a timely manner to accomplish any work identified within the entire boundary of the installation to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.	<p>The Contractor shall perform emergency service orders 24 hours a day, seven days a week throughout the contract period.</p> <p>The Contractor shall respond to emergency service orders with the appropriate service personnel and equipment to commence work immediately.</p> <p>The Contractor shall remain at the work site until the emergency has been arrested.</p> <p>If follow-up work is required (after the emergency condition is arrested) to complete the restoration and ensure facilities, systems, ground structures and other assets are fully functional and in normal working condition, the Contractor may request time extension equal to a Routine Service Order,.. The emergency mitigation and follow-up work shall be considered part of the original</p>	<p>Emergency service orders responded to within one hour of receipt of call.</p> <p>Work continues without interruption until emergent condition is arrested and damage to facilities, systems, ground structures, other assets and personnel is mitigated.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>service order.</p> <p>Historically, approximately 75 emergency service orders originate after normal working hours each month.</p>	
3.1.2	Urgent Service Orders	The Contractor shall perform urgent service order work in a timely manner to accomplish any work identified within the entire boundary of the installation to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.	The Contractor shall perform urgent service orders without extended delay.	Urgent service orders are completed within five working days.
3.1.3	Routine Service Orders	The Contractor shall perform routine service order work in a timely manner to accomplish any work identified within the entire boundary of the installation to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.	Performance of routine service orders is not required outside of Government regular working hours.	Routine service orders are completed within 30 calendar days.
3.2	Preventive Maintenance (PM) Program	The Contractor shall develop and implement a PM program for facilities, systems, ground structures and other assets to	<p>The Contractor shall develop and submit a PM program per Section F.</p> <p>As part of the PM, the Contractor is fully responsible for any individual occurrence of</p>	Maintenance is accomplished in accordance with the Contractor's PM program and work schedule.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		ensure they are safe, fully functional, minimize breakdowns and to maximize useful life.	<p>incidental repair, including replacement up to the PM limit of liability of \$500 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the incidental repair limits of liability. Incidental repair work performed under maintenance is not considered a service order.</p> <p>Notification of repair work exceeding the incidental repairs limit shall be submitted to the KO within two hours of identification. Service orders or non-recurring work may be issued for repairs exceeding the incidental repairs limit. The Government will only pay for the portion of direct labor and/or direct material that exceeds the specified limits of liability.</p> <p>Example: If an individual occurrence of incidental repair requires \$550 in direct labor and/or direct material cost, the Government may issue a service order or a task order in accordance with the non-recurring work portion of the contract for the \$50 in direct labor and/or direct material cost that exceeds the specified incidental repair limit of liability.</p> <p>The Contractor shall not use breakdown maintenance as part of the PM program.</p> <p>The PM program shall provide an economical approach, manufacturers' recommended procedures, OEM standards, and maintenance required to satisfy equipment warranties and keep facilities, ground structures, systems and other assets in</p>	<p>PM is performed in accordance with manufacturers' recommended procedures and OEM standards.</p> <p>Facilities, systems, ground structures and other assets are in normal working condition and function properly in accordance with OEM specifications, including recertification if applicable.</p> <p>When PM is complete the facility, system, ground structure or other asset is fully functional and does not present danger to personnel or equipment.</p> <p>Equipment tag is legible and updated after completion of each PM or service order.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit of liability is submitted to the KO within the specified time.</p> <p>ICAP assessments and documentation are completed annually and</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>normal working condition, minimize breakdowns, and to maximize useful life.</p> <p>Excessive or repeated system or equipment breakdowns or deficiencies may indicate the need to adjust or modify the Contractor’s PM program. These changes will be made at no additional cost to the Government.</p> <p>As part of the PM program, the Contractor shall perform equipment condition assessments to support the Infrastructure Condition Assessment Program (ICAP).</p> <p>The Contractor shall assess and document equipment condition annually. Depending on the type of equipment, as related by Uniformat Classification, the Contractor shall assess the condition of one to 12 meters. The description of meter groups for each Uniformat Classification is provided in J-1502000-05. The general direct condition rating guidance is shown in J-1502000-06 and condition rating guidance specific to each meter group is provided in J-1502000-07.</p> <p>Direct condition ratings shall be reported as specified in the Computerized Maintenance Management Systems (CMMS) Spec Item in Annex 0200000.</p> <p>The Contractor shall submit a monthly PM work schedule per Section F.</p>	recorded in CMMS.
3.2.1	Compressed Air Systems	The Contractor shall perform maintenance on compressed air systems to ensure proper operation, to minimize	<p>Compressed air systems are provided in J-1502000-08.</p> <p>The Contractor shall maintain compressed air systems in accordance with NAVFAC MO-206, NAVFAC MO-209,</p>	Maintenance, inspection, cleaning and repair accomplished per NAVFAC MO-206, NAVFAC MO-209,

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		breakdowns, and to maximize useful life.	manufacturers' recommended procedures, OEM standards and UFC.  Annual PM shall coincide with certifications specified in Spec item 3.4.1	manufacturers' recommended procedures, OEM standards and UFC.
3.2.2	Door and Gate Systems	The Contractor shall perform maintenance on door and gate systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Door and Gate Systems are provided in J-1502000-09.  The Contractor shall develop and implement a program to inspect, clean, and make all necessary repairs to door and gate systems.	Maintenance, inspection, cleaning and repair accomplished per OEM recommendations and standards.
3.2.3	Galley Equipment and Systems	The Contractor shall perform maintenance inspection and repair on galley equipment and systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Galley equipment and systems are provided in J-1502000-10.  The Contractor shall develop and implement a program to maintain, inspect, and repair to galley equipment and systems.	Maintenance, inspection and repair accomplished per OEM recommendations and standards.
3.2.4	Security Systems and Equipment	The Contractor shall perform maintenance on security systems and equipment to ensure proper operation, to minimize breakdowns and to maximize useful life.	Security systems and equipment are provided in J-1502000-11.  The Contractor shall maintain, inspect and test security systems and equipment in accordance with manufacturers' recommended procedures, OEM standards, NFPA and UFC.	Maintenance and repair accomplished per OEM recommendations and standards.
3.2.5	HVAC and Refrigeration Systems	The Contractor shall maintain HVAC and refrigeration systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	HVAC and refrigeration systems are provided in J-1502000-12.  Temperature settings for HVAC and refrigeration systems shall be maintained as specified in J-1502000-13.  The Contractor shall not vent or otherwise dispose of any ozone-depleting refrigerant in a manner that will permit its release into the environment. These	Maintenance and repair accomplished per OEM recommendations and standards.  HVAC and refrigeration systems are maintained at the required temperature.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			refrigerants shall be captured and recycled in accordance with all Federal, state, and local environmental regulations.	HVAC and refrigeration systems are in compliance with environmental regulations.
3.2.6	Self-Retracting Lifelines (SRL) and Trolleys	The Contractor shall perform maintenance on self-retracting lifelines (SRL) and trolleys to ensure proper operation, to minimize breakdowns and to maximize useful life.	<p>Self-retracting lifeline and trolleys are provided in J-1502000-14.</p> <p>The Contractor shall maintain, inspect and test self-retracting lifeline and trolleys in accordance with Department of the Navy Fall Protection Guide for Ashore Facilities, EM 385-1-1 manufacturers' recommended procedures and OEM standards. The Contractor shall inspect Self-retracting lifeline and trolleys semiannually and provide inspection by the manufacturer annually.</p> <p>Annual PM shall coincide with certifications specified in Spec item 3.4.4</p> <p>The Contractor shall submit condition reports, recommendations for repair or replacement and a list of maintenance performed per Section F.</p> <p>Known manufacturers of SRLs in service are: DBI/SALA 3965 Pepin Ave Red Wing MN 55066-1837</p> <p>MSEC Mechanical Safety Equipment Corp. 2070 Bennett Rd. Philadelphia, PA 19116</p> <p>MSA Safety DYNA-LOCK (910) 355-5440</p>	<p>Maintenance, inspection, testing and repair accomplished per Department of the Navy Fall Protection Guide for Ashore Facilities, EM 385-1-1 manufacturers' recommended procedures and OEM standards.</p> <p>SRLs and trolley operate free and provide safe tie off for aircraft workers.</p>
3.2.7	Unfired Pressure Vessels (UPV)	The Contractor shall perform maintenance on	UPVs are provided in J-1502000-15.	Maintenance, inspection, testing and repair

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		UPVs and associated equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	The Contractor shall maintain, inspect and test UPVs in accordance with UFC 3-430-07, UFC 3-410-01, manufacturers' recommended procedures and OEM standards.  Annual PM shall coincide with certifications specified in Spec item 3.4.2.	accomplished per UFC 3-430-07, UFC 3-410-01 and manufacturers' recommended procedures and OEM standards.
3.2.8	Ventilation Systems	The Contractor shall perform maintenance on ventilation systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	Ventilation Systems are provided in J-1502000-16.  The Contractor shall develop and implement a program to maintain, inspect, clean, and make all necessary repairs to ventilation systems.	Maintenance, inspection, cleaning and repair accomplished per OEM recommendations and standards.
3.2.9	Vertical Transportation Equipment (VTE)	The Contractor shall perform maintenance on VTE to ensure proper operation, to minimize breakdowns, and to maximize useful life.	VTE systems are provided in J-1502000-17.  The Contractor shall maintain VTE in accordance with NAVFAC MO-118, manufacturers' recommended procedures and OEM standards.  The Contractor shall notify the facility occupants prior to any type of work on VTEs.	Maintenance is performed in accordance with Contractor's PM program and work schedule.
3.3	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP program for facilities, systems, ground structures and other assets to ensure they are safe, fully functional, minimize breakdowns and to maximize useful life.	The Contractor shall develop and submit an IMP per Section F.  The IMP shall include the Contractor's approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.  As part of the IMP, the Contractor is fully responsible for any individual occurrence of repair, including replacement up	Maintenance is performed in accordance with Contractor's IMP and work schedule.  When a problem or a need for repair is identified during normal working hours, the Contractor shall respond within 30 minutes at NAS Jacksonville and within one hour at OLF White House or Cecil Field and complete the repair within 48 hours.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>to the IMP limit of liability of \$5,000 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the IMP limits of liability.</p> <p>The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed above. If the estimated cost of the repair exceeds the IMP liability limit, the Government may order the work under the non-recurring work section of this contract; however, the Government will only be liable for the amount of cost exceeding the IMP limit of liability.</p> <p>Example: If an individual occurrence of repair requires \$5,100 in direct labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct labor and/or direct material cost that exceeds the IMP limit of liability.</p> <p>The Contractor shall not use breakdown maintenance as part of the IMP program.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>The Contractor shall document each IMP service at the worksite by affixing or updating a Contractor furnished durable tag to the system or component</p>	<p>When a problem or a need for repair is identified outside normal working hours, the Contractor shall respond within two hours and complete the repair within 48 hours.</p> <p>Facilities, systems, ground structures and other assets are in normal working condition and function properly in accordance with OEM specifications, including recertification if applicable.</p> <p>When PM is complete the facility, system, ground structure or other asset is fully functional and does not present danger to personnel or equipment.</p> <p>Equipment tag is legible and updated after completion of each PM or work order.</p> <p>Notification of repair work exceeding the IMP limit of liability is submitted to the KO within the specified time.</p> <p>ICAP assessments and documentation are completed annually and recorded in</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>being serviced, inspected or tested. As a minimum, the tag shall state asset number, the type of inspection and/or test performed the date, and the Contractor's signature. In addition to the IMP cards attached to the system additional IMP cards shall be attached directly to gages to document testing/replacement and to strainers to document cleaning. Labels or IMP cards shall also be attached to storage cylinders to document replacement or hydrostatic testing. Annual System Inspection and Certification Requirement Tags shall be provided and installed on each system.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the Contractor's work reception.</p> <p>Notification for accomplishment of repair of equipment and systems maintained under IMP is not a service order under Annex 1502000 Spec Item 3.1.</p> <p>As part of the IMP program, the Contractor shall perform equipment condition assessments to support the Infrastructure Condition Assessment Program (ICAP).</p> <p>The Contractor shall assess and document equipment condition annually. Depending on the type of equipment, as related by Uniformat Classification, the Contractor must assess the condition of one to 12 meters. The description of meter groups for each Uniformat Classification is provided in J-1502000-05. The general direct condition rating guidance is shown in J-1502000-06 and condition rating guidance</p>	<p>CMMS.</p> <p>Freeze protection is accomplished per the Contractor's program and schedule.</p> <p>IMP systems are protected from freezing and no damage occurs from freezing</p> <p>Mechanical rooms are clean and maintained.</p> <p>.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>specific to each meter group is provided in J-1502000-07.</p> <p>Direct condition ratings shall be reported as specified in the Computerized Maintenance Management Systems (CMMS) Spec Item in Annex 0200000.</p> <p>The Contractor shall maintain mechanical rooms that house IMP equipment in a clean and safe condition including re-lamping.</p> <p>The Contractor shall submit a monthly IMP schedule and IMP maintenance and repair status report per Section F.</p>	
3.3.1	Airfield Lighting Systems	The Contractor shall perform maintenance on Airfield Lighting Systems to ensure proper operation and compliance with operating standards.	<p>The airfield lighting systems and minimum required operational procedures are provided in J-1502000-18.</p> <p>The Contractor shall develop and implement an airfield lighting maintenance program to inspect, clean, re-lamp, and make all necessary repairs to airfield systems, such as: electrical distribution systems, lightning arrestors and grounding systems, distance remaining markers, par “navaid radar”, main electrical supply panels, IFLOLS (improved Fresnel Lens Optical Landing System) and LSO main electrical supply panels, warning light at Langley Street and taxiway Z.</p> <p>The approach lighting system shall be considered operational provided that no more than two bars are out (two or more lamps out on a bar determine bar outage) or four sequence flashers are out.</p> <p>There shall be no more than three runway lights out on any one runway with no consecutive runway lights out.</p>	<p>Maintenance is performed in accordance with Contractor's program and work schedule.</p> <p>Airfield lighting operates properly and complies with operating standards.</p> <p>All lights are free and clear of obstructions.</p> <p>Date and time of inspections, maintenance, and repairs to airfield lighting documented in Airfield Lighting Maintenance Logbook.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>There shall be no more than five taxiway lights out per airfield with no consecutive taxiway lights out.</p> <p>There shall be no Precision Approach Path Indicator Lights (PAPI Lights) out per airfield. These systems shall be maintained in a condition such that leakage currents or faults to ground would not create a noticeable loss of brightness on any regulator intensity step setting.</p> <p>The contractor shall comply with NAVAIR 51-50AAA-2; General Requirements for Shore based Airfield Marking and Lighting, UFC 3-535-01 Visual Air Navigational Facilities, and CNATRA Instruction 11130.2, Aircraft Grounding Points Requirements.</p> <p>The Contractor shall provide an Airfield Lighting Maintenance Logbook and document date and time of inspections, maintenance, and repairs to airfield lighting.</p>	
3.3.2	Auxiliary Generator Systems	The Contractor shall develop and implement an IMP program for Auxiliary Generator Systems to ensure proper operation, to minimize breakdowns and to maximize useful life.	<p>Auxiliary generator systems are provided in J-1502000-19.</p> <p>The Contractor shall comply with NAVFAC MO-912 and UFC 3-560-01.</p> <p>IMP shall include periodic startup, run, load test, fuel testing; reconditioning and water removal and annual simulation of power outage to ensure generator, transfer switch, UPS systems function properly.</p> <p>Auxiliary generator systems equipped with an automatic transfer switch shall be activated to restore electrical power within five minutes following loss of</p>	<p>Maintenance is performed in accordance with Contractor's IMP program and work schedule.</p> <p>Auxiliary generator provides electrical power to meet the load demand for the duration of a power outage.</p> <p>Auxiliary generators activate to restore electrical power within five minutes following loss of power and</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>power and shut down within 15 minutes following restoration of power.</p> <p>The Contractor shall establish and maintain a log that lists: date of check and number of run hours shown by the hour meter for emergency and non-emergency. Operational exercising shall not damage existing equipment; result in additional outages or impact customers. The Contractor shall submit a copy of the log to the KO and COR monthly.</p> <p>The Contractor shall load bank test all emergency generators annually in accordance with manufacturer's Operation and Maintenance (O &amp; M) manuals. The Contractor shall submit a record date of test, resistance, capacitance, inductive and impedance readings to the KO and COR within 10 days after completing the test.</p> <p>The Contractor shall ensure that sufficient fuel is available for emergency generator operations at all times. The Contractor shall initiate fuel orders, receive fuel from tanker trucks, transfer to and among storage tanks, and make all operational fuel transfers. The Contractor shall comply with all Federal regulations pertaining to fuel operations.</p>	shut down following restoration of power.
3.3.2.1	Uninterruptible Power Supplies (UPS)	The Contractor shall develop and implement an IMP program for uninterruptible power supply systems to ensure proper operation, to minimize breakdowns and to maximize useful life.	Uninterruptible Power Supply Systems are provided in J-1502000-19.	Maintenance is performed in accordance with Contractor's IMP program and work schedule.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3.3.3	Boiler Systems	The Contractor shall develop and implement an IMP program for Boiler Systems to ensure proper operation, to minimize breakdowns and to maximize useful life.	Boiler systems are provided in J-1502000-20.	Maintenance is performed in accordance with Contractor's IMP program and work schedule.
3.3.3.1	Boiler Systems Maintenance	The Contractor shall develop and implement an IMP program for Boiler Systems to ensure proper operation, to minimize breakdowns and to maximize useful life.	<p>The Contractor personnel working on boilers and associated systems must possess applicable state and local licensing and certification requirements.</p> <p>Boilers shall be maintained in accordance with UFC 3-430-07, UFC 3-410-01, ASME Sections VI, VII, ANSI B31.1, the National Board of Boiler Inspectors Codes, OEM manufacturers recommended procedures and current industry standards to operate boilers at the highest efficiency possible.</p> <p>The Contractor shall ensure that sufficient fuel is available for boiler operations at Building 327, up to 500 gallons per year.</p> <p>The Contractor shall initiate fuel orders, receive fuel from tanker trucks, transfer to and among storage tanks, and make all operational fuel transfers. The Contractor shall comply with all Federal regulations pertaining to fuel operations.</p>	<p>Maintenance is performed in accordance with Contractor's IMP program and work schedule.</p> <p>Sufficient fuel is available to support boilers operations.</p>
3.3.3.2	Boiler Water Testing and Treatment Services	The Contractor shall provide and implement a boiler water testing and treatment program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall develop a Boiler Water Testing and Treatment Program and submit to the KO for review within 30 days following contract award.</p> <p>The Contractor shall test and treat boiler water in accordance with equipment manufacturer's specifications.</p> <p>The Contractor shall maintain</p>	<p>Sampling and testing is accomplished in accordance with the Contractor's program and schedule.</p> <p>Test results confirm that boiler water meets the chemical residual</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>boiler water within the limits specified in Section 3120 of NAVFACINST 11300.37.</p> <p>The Contractor shall submit boiler water testing and treatment reports to the KO and COR monthly.</p> <p>For hot water boilers with capacities exceeding 5 BTH and steam boilers with capacities exceeding .4 BTH, samples of feedwater, boiler water and condensate shall be tested and certified monthly by an independent laboratory for simultaneous comparison with Contractor analyses.</p>	limits specified in Section 3120 of NAVFACINST 11300.37.
3.3.4	Fire Protection Systems	The Contractor shall develop and implement an IMP program for Fire Protection Systems to ensure proper operation, to minimize breakdowns and to maximize useful life.	<p>Fire Protection systems are provided in J-1502000-21.</p> <p>IMP shall comply with established guidelines in UFC 3-601-02, Operations and Maintenance: Inspection, Testing, and Maintenance of Fire Protection Systems.</p> <p>Repairs shall meet all OEM requirements and NFPA codes and standards.</p> <p>The Contractor shall coordinate with the CNRSE "NERMS Alarm Administrator" as to receipt of the Daily Regional Dispatch Center (RDC) Fire Alarm Reports, initiate repairs and provide a weekly response / status to all listed Alarms Types (Troubles, Faults, etc.) including tracking and response back for those fire alarm systems placed in an approved "outage" for Government directed renovations /modifications, etc.</p> <p>The Contractor shall coordinate with and provide the CNRSE "NERMS Alarm Administrator" with a full listing of all certified Fire Alarm Technicians to</p>	Maintenance is performed in accordance with Contractor's IMP program and work schedule.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>acquire a PIN with approved and cataloged "PIN" number for - coordination of alarms, taking an alarm out for service and required testing.</p> <p>The Contractor shall provide for Freeze Protection Services as required to prevent damage to the Systems.</p> <p>Testing which results in any discharge of water shall be controlled to the extent possible by containing the discharge (by hoses or other approved means) and routing to the nearest catch basin. No discharge onto pedestrian /vehicle passageways (sidewalks, paved or concrete surfaces) shall be allowed when weather conditions are expected to be conducive to freezing within 48 hours.</p> <p>The Contractor shall comply with NAVFAC safety and health regulations, requirements, procedures and controls for work involving maintenance of chemical and gaseous systems. Maintenance shall be accomplished in accordance with the following:</p> <ol style="list-style-type: none"> <li>1. Schedule maintenance in non-work periods whenever possible.</li> <li>2. Include an emergency air pack as part of Contractor personal protective equipment.</li> <li>3. Do not commence work until a Government Representative has notified any personnel in areas serviced by the system that system maintenance will be performed. The Government Representative will request personnel to leave the areas and will remain onsite, outside the work area during accomplishment of work.</li> </ol> <p>Repairs shall meet all OEM requirements and NFPA codes</p>	

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			and standards.  Fire protection tests at Cecil Field shall be coordinated through Jacksonville Aviation Authority by submitting Fire Pump Run request form seven calendar days in advance of scheduled work. The Contractor is responsible for all costs incurred by performing work outside the arranged time and date.	
3.3.5	Frequency Converters (400 HZ) Systems	The Contractor shall develop and implement an IMP program for Frequency Converters (400 HZ) systems to ensure proper operation, to minimize breakdowns and to maximize useful life.	Frequency Converters (400 HZ) Systems are provided in J-1502000-22.  The Contractor shall ensure Frequency Converters (400 HZ) system shall deliver electrical power as intended, and shall encompass all associated equipment  The Contractor shall maintain, test, adjust and repair 400 HZ PSUs per manufacturer's recommendations.  As part of the IMP, the Contractor shall include all equipment, components of the Frequency Converters (400 HZ) systems, equipment, monitoring and control systems, such as: motor generator sets, solid state units, power cables, safety devices (including obstruction lighting) located within or on the PSU, motor starter, contactors, circuit breaker, etc.  Aircraft shall be operational and shall not be disrupted because of the non-availability of Frequency Converters (400 HZ) 400HZ.	Maintenance is performed in accordance with Contractor's IMP program and work schedule.  Frequency Converters (400 HZ) provide electrical power to meet the load demand.  Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.
3.3.6	HVAC and Refrigeration Systems	The Contractor shall develop and implement an IMP program for HVAC and Refrigeration Systems to ensure	HVAC and refrigeration systems are provided in J-1502000-23.	Maintenance is performed in accordance with Contractor's IMP program and work schedule.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		proper operation, to minimize breakdowns and to maximize useful life.		
3.3.6.1	HVAC and Refrigeration Systems Maintenance	The Contractor shall develop and implement an IMP program for HVAC and Refrigeration Systems to ensure proper operation, to minimize breakdowns and to maximize useful life.	<p>HVAC and refrigeration systems are provided in J-1502000-23.</p> <p>Temperature settings for HVAC and refrigeration systems shall be maintained as specified in J-1502000-13.</p> <p>As part of the IMP, the Contractor shall include all equipment, components of the HVAC and refrigeration systems, equipment, monitoring and control systems, such as: software applications, computers, computer work stations, communication equipment, printers, and implement any future versions of the systems software at no additional cost to the Government.</p> <p>The Contractor shall not vent or otherwise dispose of any ozone-depleting refrigerant in a manner that will permit its release into the environment. These refrigerants shall be captured and recycled in accordance with all Federal, state, and local environmental regulations.</p>	<p>Conditioned spaces are continuously maintained at the required temperature and air quality standards.</p> <p>HVAC and refrigeration systems are in compliance with environmental regulations.</p> <p>HVAC Boilers are maintained to the performance objectives and standards of 1502000 3.3.3</p>
3.3.6.2	HVAC Seasonal Start-Up and Shutdown	The Contractor shall perform seasonal start-up and shutdown to ensure HVAC systems are prepared and activated at the start of each season and deactivated and preserved at the end of each season.	<p>The Contractor shall perform start-up and shutdown of HVAC systems when directed by the KO.</p> <p>The air conditioning systems listed are normally shutdown during the months of October or November, and started up during the months of April or May; however, the length of the season will vary and no adjustment in the contract price is made regardless of the actual length of the season. The KO will advise the Contractor of the</p>	Seasonal start-up and shutdown work completed within three working days of the specified start date for equipment in individual buildings, or within five working days if services are ordered for all systems at the same time.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>specific date or dates when such services should begin to be accomplished.</p> <p>Fall shutdown shall include securing and winterizing the air conditioning system and activating steam, electric, or gas heating system and resetting all thermostats as required.</p> <p>Spring start-up shall include activating the air conditioning system and securing and preserving all heating coils or heat exchangers and resetting all thermostats as required.</p> <p>The Contractor shall repeat start-up and shutdown of each designated HVAC system as required by the KO.</p>	
3.3.6.3	HVAC Water Testing and Treatment Services	The Contractor shall provide and implement a HVAC water testing and treatment program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall develop an HVAC Water Testing and Treatment Program and submit to the KO for review within 30 days following contract award.</p> <p>The Contractor shall develop a HVAC Water Testing and Treatment Program for water-cooled, cooling towers and boiler heating and chilled and hot water closed loop systems per equipment manufacturer’s specifications, ASHRAE standards, and the Unified Facilities Guide Specifications (UFGS) for applicable equipment.</p> <p>The Contractor shall provide and install monitoring and treatment equipment. Work includes flushing and cleaning of cooling towers, and testing and treatment of circulating water to prevent accumulation of scale, corrosion, biological growth and other foreign materials. Program shall be designed to be effective over the entire expected temperature range.</p>	<p>Sampling and testing is accomplished in accordance with the Contractor's program and schedule.</p> <p>Test results confirm that cooling or chilled water meets the chemical residual limits in accordance with the Contractor’s HVAC water testing and treatment program.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			The Contractor shall submit HVAC water treatment test reports to the KO and COR monthly.	
3.3.6.4	Condenser Tube Inspection	The Contractor shall conduct condenser tube inspections to ensure tubes are clear and water treatment program is effective.	<p>The Contractor shall develop a Condenser Tube Inspection Program and submit to the KO for review within 30 days following contract award.</p> <p>The Contractor shall coordinate condenser tube inspections with the KO. The KO may designate one condenser per month to be inspected for scaling or corrosion of heat transfer tubes to determine effectiveness of water treatment program. The KO will notify the Contractor of date and time five days prior to the inspection.</p> <p>The Contractor will arrange for system to be shut down when the load of the system is minimal which may be outside normal working hours. The Contractor shall remove heads from condensers for inspection of the tubes. If buildup of scale is in excess of 0.01 inch, the tubes shall be cleaned. If scale is built up in condensers for two consecutive months, all condensers will be systemically inspected and tubes cleaned as required using nondestructive cleaning methods.</p>	<p>Condenser tube inspections are accomplished per the Contractor's program and schedule.</p> <p>Condenser tube inspections ordered by the Contracting Officer do not identify scale build-up greater than .01 inches.</p> <p>Scale build up is less than 0.01 inch</p>
3.3.7	Hangar Door Systems - MegaDoor	The Contractor shall develop and implement an IMP to maintain and repair Mega-Doors Systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The Contractor shall provide OEM maintenance and repair of MegaDoor entrance systems at Building 511 - 15 door sections Building 1122 - 25 door sections.</p> <p>IMP shall comply with manufacturers' recommended procedures and standards</p> <p>ASSA ABLOY Entrance Systems 611 Highway 74 South</p>	Maintenance is performed in accordance with Contractor's IMP program and work schedule.

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Suite 100 P. O. Box 2957 Peachtree City, Georgia 30269</p> <p>Phone: +1 800 927 6342 Phone: +1 770 631 2600 Fax: +1 770 631 9086 E-mail: sales.us.megadoor@assaabloy.com</p>	
3.3.8	Rainwater Harvesting Systems	The Contractor shall develop and implement an IMP to maintain and repair for the rainwater harvesting systems to ensure proper operation, to minimize breakdowns, and to maximize useful life..	<p>Rainwater harvesting systems collect, store, treat, and distribute water for use to flush toilets and urinals at Buildings 512, 513 and 1122.</p> <p>The Contractor IMP shall include inspection, cleaning, maintenance and repair of rainwater harvesting systems to design specifications.</p>	Maintenance is performed in accordance with Contractor's IMP program and work schedule.
3.3.9	Vertical Transportation Equipment (VTE)	The Contractor shall develop and implement an IMP program for vertical transportation equipment to ensure proper operation, to minimize breakdowns and to maximize useful life.	<p>Vertical Transportation Equipment Systems are provided in J-1502000-24.</p> <p>IMP shall comply with manufacturers' recommended procedures, OEM standards, and ASME A17.1.</p> <p>For certification that is required per ASME A17.1 due to work performed as part of IMP, refer to the Spec Item for Inspection, Testing, and Certification of VTE.</p>	<p>Maintenance is accomplished in accordance with Contractor's IMP and work schedule.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p>
3.4	Inspection, Testing, and Certification Program	The Contractor shall provide inspection, testing, and certification services to ensure they are safe, fully functional, and operational.	<p>The Contractor shall develop an inspection, testing, and certification program.</p> <p>The Contractor shall submit an inspection, testing, and certification program summary report per Section F.</p> <p>The Contractor shall submit an inspection, testing and certification schedule and a copy of all the equipment certifications per Section F.</p>	<p>All certifications are current.</p> <p>Testing, inspection, and certification services performed and completed in accordance with the inspection, testing, and certification program and schedule.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Notification of repair work exceeding the recurring work limits of liability specified for specific systems and equipment shall be submitted to the KO within two hours of identification. Service orders or non-recurring work may be issued for repairs exceeding the recurring work limits of liability, as applicable.</p> <p>The Contractor shall document each inspection, testing and certification service at the worksite by affixing or updating a Contractor furnished durable tag to the system or component being serviced, inspected or tested. As a minimum, the tag shall state asset number, the type of inspection and/or test performed the date, and the Contractor's signature. In addition to the inspection, testing and certification cards attached to the system additional inspection, testing and certification cards shall be attached directly to gages to document testing/replacement and to strainers to document cleaning. Labels or inspection, testing and certification cards shall also be attached to storage cylinders to document replacement or hydrostatic testing. Annual System inspection and certification requirement tags shall be provided and installed on each system.</p>	Testing, inspection, and certification services performed in accordance with applicable references.
3.4.1	Backflow Prevention Devices	The Contractor shall prepare, inspect, test and certify backflow prevention devices to ensure they are safe, fully functional, and operational.	<p>Backflow prevention devices are provided in J-1502000-25.</p> <p>The Contractor shall comply with inspection, testing, and certification requirements of the applicable regulatory agency and as specified in paragraph 10.6 of UFC-3-230-02, Operation and Maintenance: Water Supply</p>	Testing, inspection, and certification of backflow prevention devices performed and completed in accordance with the inspection, testing, and certification

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Systems, UG-2029-ENV Cross-Connection Control and Backflow Prevention Program Implementation at Navy Shore Facilities, and paragraph 8-5.3 of the current version of OPNAVINST 5090.1, Environmental and Natural Resources Program Manual, OEM requirements and standards, equipment manufacturer's recommendations and commercially accepted practices.</p> <p>As part of the Backflow Prevention Device Inspection, Testing, and Certification services, the Contractor is fully responsible for any individual occurrence of incidental repair up to the incidental repair limit of liability of \$500 in direct labor and direct material cost for each piece of equipment per incident. Incidental repairs performed under recurring services are not considered a service order. The Government will only pay for the portion of direct labor and direct material cost that exceeds the incidental repair limit of liability.</p> <p>Example: If an individual occurrence of incidental repair requires \$550 in direct labor and direct material cost, the Government may issue a service order or a task order in accordance with the non-recurring work portion of the contract for the \$50 in direct labor and direct material cost that exceeds the incidental repair recurring work limit of liability.</p>	<p>program and schedule.</p> <p>Backflow prevention devices are certified in accordance with UFC-3-230-02, UG-2029-ENV, and OPNAVINST 5090.1.</p>
3.4.2	Boilers and UPVs	The Contractor shall clean, prepare, and operate boilers and/or UPVs to support certification.	<p>UPVs are provided in J-1502000-15.</p> <p>Boiler systems are provided in J-1502000-20.</p> <p>Fire Protection systems are</p>	<p>Testing, inspection, and certification of boilers and/or UPVs performed and completed in accordance with the Inspection,</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>provided in J-1502000-21.</p> <p>HVAC Systems are provided in J-1502000-23</p> <p>The Contractor shall prepare boilers and/or UPVs for testing, inspection, and certification in accordance with the National Board of Boiler and Pressure Vessel Inspectors Code, UFC 3-410-06, and UFC 3-430-07.</p> <p>The Contractor shall immediately void any boiler inspection safety certificates upon the discovery of a safety deficiency regardless of the expiration date on the certificate. The certificate will again be valid only after the deficiency has been corrected by the Contractor and the boiler has been re-certified.</p> <p>The Contractor shall thoroughly clean and prepare the system boilers and/or UPVs for testing and certification. The Contractor is fully responsible for and shall perform any repairs, including replacement, discovered during inspection, testing, and certification up to the FFP limit of liability specified in 1502000 Spec Items 3.2.7 and 3.3.3, as applicable.</p> <p>The Contractor shall return boilers and/or UPVs to service upon issuance of certification.</p> <p>The Contractor shall refrain from operating a boiler and/or UPV without a valid NAVFAC inspection certificate.</p> <p>The Contractor shall perform all certification testing in the presence of the Government Certified Boiler Inspector.</p> <p>The Contractor shall provide</p>	<p>Testing, and Certification Program and Schedule.</p> <p>Boilers and/or UPVs promptly returned to service upon issuance of certification.</p> <p>Boilers and/or UPVs are prepared for inspection and certification in accordance with UFC 3-410-06 and UFC 3-430-07.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>five working days advance notification to the KO when boilers and/or UPVs is ready for testing and certification for coordination with the Government provided inspector.</p> <p>The Contractor shall assist the Certified Boiler Inspector in performing the testing for certification.</p> <p>The Contractor shall notify the Government when equipment is ready for testing and certification.</p> <p>The Contractor shall maintain files of inspection reports and inspection certificates</p> <p>The Contractor shall provide files for Government review and inspection when requested.</p>	
3.4.3	Grounding Points	The contractor shall inspect, test, and provide complete identification marking of grounding points to ensure safe and proper operations.	<p>Grounding points are provided in J-1502000-26.</p> <p>The Contractor shall develop and implement a ground point inspection and testing program and submit to the KO and COR for review within 30 days after contract award and on a 14-month cycle thereafter.</p> <p>The Contractor shall repaint the identification markings semi-annually.</p> <p>Grounding points shall be tested in accordance with CNATRAINST 11130.2, MIL-HDBK-274 and NAVSEA OP-5, Revision 7.</p> <p>A report of the test results shall be submitted to the KO within two working days of the completed test. Report shall include location, type, date tested, and ohms measured.</p>	<p>Ground points inspected and tested performed in accordance with Contractor's program and work schedule.</p> <p>Ground point identification markings repainted as specified.</p>
3.4.4	Self-Retracting Lifelines	The Contractor shall prepare,	Self-retracting lifeline and trolleys are provided in J-	Certified SRL are always at

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	(SRL)	inspect, test and certify Self-Retracting Lifeline and Trolley Systems to ensure they are safe, fully functional, and operational.	<p>1502000-14.</p> <p>The Contractor shall remove and send the SRL to the manufacture for certification annually. Replace SRL sent with the reserve inventory provided while inspection is being performed. Certification shall be in accordance with the Department of the Navy Fall Protection Guide for Ashore Facilities, the EM 385-1-1 and the manufacture’s recommendations. Rotate inspections so that there is always a certified SRL in use at production sites.</p> <p>Provide certificates to KO per Section F.</p>	designated locations and certifications completed as scheduled.
3.4.5	Vertical Transportation Equipment (VTE)	The Contractor shall prepare, inspect, test, and operate VTE systems to support Government certification.	<p>Vertical Transportation Equipment Systems are provided in J-1502000-17 and J-1502000-24.</p> <p>The Contractor shall prepare VTE for testing, inspection, and certification in accordance with ASME A17.1, NAVFAC MO-118, NFPA, manufacturers’ recommended procedures and OEM standards.</p> <p>The Contractor shall perform all inspections and tests for certification in the presence of a Government provided inspector.</p> <p>As specified in paragraph 1.2.2 of NAVFAC MO-118, Inspection of Vertical Transportation Equipment, all vertical transportation equipment shall have a valid current certificate posted in the car or maintained in the Public Works office. If the certificate is on file in Public Works office a notice will be posted in the car stating where the certificates can be found.</p>	<p>Notification of repair work necessary to maintain certification is reported to the Government within one hour of identification.</p> <p>VTE inspection and testing is completed when due.</p> <p>Inspection and testing of VTE performed and completed in accordance with the inspection and testing program and schedule.</p> <p>VTE prepared for inspection and certification in accordance with NAVFAC MO-118.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The Contractor shall prepare VTE for testing and certification. The Contractor is fully responsible for and shall perform any repairs, including replacement, discovered during inspection, testing, and certification up to the limit of liability specified in 1502000 Spec Item 3.3.8.</p> <p>The Contractor shall provide five working days advance notification to the KO when VTE is ready for testing and certification for coordination with the Government provided inspector.</p> <p>The Contractor shall submit the Inspection and Test Report for Vertical Transportation Equipment (VTE) per Section F.</p> <p>The Contractor may invoice for completed VTE Inspection, Testing, and Certification. The Contractor shall not invoice for VTE Inspection, Testing and Certification not completed. A modification will be process at the end of each period of performance to deduct for VTE Inspection, Testing and Certification not completed. Deduction will be based on the unit prices specified in Attachment J-0200000-13 ELINs.</p>	
3.5	Other Recurring Services Program	The Contractor shall develop and implement an Other Recurring Services Program for facilities, systems, ground structures and other assets to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The Contractor shall submit an Other Recurring Services Program Summary Report per Section F.</p> <p>The Contractor shall document each service at the worksite by affixing or updating a Contractor furnished durable tag to the system or component being serviced, inspected or tested. As a minimum, the tag shall state asset number, the type of inspection and/or test performed</p>	<p>Other recurring services are accomplished in accordance with the Contractor's program and work schedule.</p> <p>Services are performed in accordance with manufacturers' recommended procedures and</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			the date and the Contractor's signature. In addition to the cards attached to the system additional cards shall be attached directly to gauges to document testing/replacement and to strainers to document cleaning. Labels or cards shall also be attached to storage cylinders to document replacement or hydrostatic testing. Annual System inspection and certification requirement tags shall be provided and installed on each system.	OEM standards.
3.5.1	Exhaust Hoods and Duct Systems	The Contractor shall develop and implement an Exhaust Hood and Duct Systems and associated equipment cleaning program to ensure they are clean and sanitary.	<p>Exhaust Hoods and Duct Systems are provided in J-1502000-27.</p> <p>The Contractor shall develop a schedule to clean exhaust hoods and duct systems and submit to the KO within 30 days following contract award.</p> <p>The Contractor shall clean the hoods, plenums, fans, fan housing, grease removal devices, weatherproof covers and the full length of ventilating ducts quarterly.</p> <p>The Contractor shall comply with the requirements of the National Board of Fire and Underwriters and the current standards of the National Fire Protection Association, NFPA Standard 96, Chapter 8, 8-3 through 8-4, UFC, OEM requirements and standards, equipment manufacturer's recommendations and commercially accepted practices.</p>	<p>Exhaust hoods and duct systems and associated equipment are cleaned and sanitized per Contractor's schedule.</p> <p>Spray nozzles are adjusted and wash chemicals are supplied.</p>
3.5.2	Fuel Storage Tanks and Berms	The Contractor shall develop and implement a Fuel Storage Tank and Berm Systems inspection, maintenance and repair program to ensure they are	<p>Fuel Storage Tanks and Berms are provided in J-1502000-28.</p> <p>The Contractor shall conduct monthly inspections of each tank system and weekly inspection of secondary containment in accordance with NAS Jacksonville SPCC Plan, 40 CFR</p>	<p>Fuel storage tank systems are inspected.</p> <p>Secondary containment and berms are drained of within three days of rain events</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		fully functional and operational to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD policies, instructions and guidance.	<p>112, FAC 62-761, and FAC 62-762. The tank systems shall be inspected for leaks, corrosion, inadequate or improper pipefitting, drains, and adequacy of spill containment structures. Secondary containment systems and berm areas shall be inspected to remove and dispose of water within three days of rain event and if containment reaches 10% capacity.</p> <p>Provide a list of deficiencies to IEPM and KO within 48 hours of completing inspection.</p> <p>Test all tank sensors annually (includes gauges, leak detection devices and sump sensors).</p> <p>Notify KO, COR and Installation Environmental Program Manager within 30 minutes of discovery of sensor failure or leaking tank/piping.</p> <p>The Contractor shall maintain two files for each tank; one file shall include monthly inspections and annual sensor tests; second file shall include all repairs/modifications made to tank.</p> <p>Maintain drainage and inspection log. Qualified operator as defined by 40 CFR 112 is required to standby during the entire time containment is draining. Valves to remain locked, except during draining operation.</p> <p>The inspections are to be noted in an inspection log kept on site. The logs are to be kept with the drainage logs and any inventory reports.</p> <p>Dispose of contaminated rainwater in accordance with OPNAVINST 5090.1 series.</p>	<p>and if containment reaches 10% capacity.</p> <p>Leaking tanks or secondary containment is reported within 15 minutes of discovery to NAS Jacksonville Environmental Department and KO for arrangements of repairs.</p> <p>Notification of repair work necessary to maintain certification is reported to the Government within fifteen minutes of identification.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Each time the overflow protection is tested, the results shall be documented on a checklist as per Attachment J-1800000-08 form similar to the one shown in each installation's SPCC Plan.</p> <p>Repairs are accomplished through the contractors IMP program if tank system is a component of an IMP system. Emergency service orders or non-recurring work may be issued for repairs not covered by IMP.</p>	
3.5.3	Grease and Grit Traps	The Contractor shall develop and implement a grease and grit trap program to maintain, clean and repair traps to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>Grease and grit traps are provided in J-1502000-29.</p> <p>The Contractor shall develop and submit a schedule for grease and grit trap maintenance, cleaning and repair cleaning to the KO within 30 days following contract award.</p> <p>The Contractor shall inspect, maintain and repair grease and grit traps monthly and clean grease and grit traps quarterly.</p> <p>The Contractor shall provide chemical treatment to grease traps and sanitary line connections at to keep lines clear of buildup and prevent clogging after cleaning. Product to be used in the treatment of grease trap and piping shall be organic, non-toxic, non-flammable, and biodegradable.</p> <p>The Contractor shall characterize and dispose of waste in accordance with the Annex 2.</p>	<p>Grease and grit traps are cleaned in accordance with Contractor's work schedule.</p> <p>Grease and grit traps are clean and free of grease, sludge, and debris on baffles, perforated surfaces, and all other removable parts and function to meet the intended purpose.</p> <p>Monthly treatment report submitted per Section F.</p>
3.5.4	Lighting Systems	The Contractor shall develop and implement a lighting system program to inspect, re-lamp, and make all necessary repairs to lighting	<p>Lighting Systems are provided in J-1502000-30.</p> <p>The Contractor shall develop lighting systems maintenance and repair program and submit to the KO within 30 days following contract award.</p>	<p>Lighting systems are maintained per Contractor's program and schedule.</p> <p>When a problem or a need for repair is</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>At a minimum, the Contractor shall submit monthly schedules by the 25<sup>th</sup> of each month for the following month.</p> <p>The Contractor shall develop and implement a lighting maintenance program to inspect, clean, re-lamp, and make all necessary repairs to the lighting systems, such as: replacement of defective bulbs, batteries, tubes, ballasts, fuses, starters, covers, reflectors, photocells, controls and switches, traffic control lights and lane lights, controllers, loop sensors and pedestrian control buttons.</p> <p>Inspection, testing and maintenance of emergency and egress lighting shall comply with testing and documentation requirements of UFC 3-601-02 and NFPA 101, Life Safety Code.</p>	identified, the Contractor shall complete the repair within two working days of identification.
3.5.4.1	Traffic Control Lighting Systems	The Contractor shall develop and implement a traffic control lighting system program to inspect, re-lamp, and make all necessary repairs to lighting systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>Traffic Control Lighting Systems are provided in J-1502000-31.</p> <p>Traffic controls at NAS Jacksonville utilize alternating traffic lanes to facilitate traffic flow during morning and afternoon commutes. The central control computer and Quic-net software is located in NAS Jacksonville Building 27.</p>	<p>Traffic lights and controls are maintained per Contractor's program and schedule.</p> <p>When a problem or need for repair is identified for traffic control systems, the contractor shall respond within 30 minutes between 0600 and 1600. Two hours outside stated hours, weekends and holidays. Work continues without interruption until emergent condition is arrested and systems are restored.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3.5.5	Lint Traps	The Contractor shall develop and implement a lint trap program to maintain, clean and repair traps to ensure unrestricted airflow from dryer exhaust systems.	<p>Lint trap descriptions are provided in J-1502000-32.</p> <p>The Contractor shall develop a lint trap maintenance and repair program and submit to the KO within 30 days following contract award.</p> <p>The Contractor shall clean and maintain wet traps, dryer lint traps, exhaust and ducts quarterly.</p> <p>The Contractor shall remove, clean and inspect all components for wear and tear and replace worn, cracked or broken components. Lint shall not be left hanging on the exterior walls or roof exit points.</p> <p>The Contractor shall conduct a visual inspection of the interior and exterior of the dryer piping at all accessible points.</p>	<p>All dryer lint traps and ducts are clear and surrounding area clean of lint.</p> <p>Dryer hoses are securely connected and do not have any damage.</p>
3.5.6	Oily Water Separators	The Contractor shall inspect, repair and maintain oil water separators systems monthly and remove as needed, but no less than semi-annually, to ensure proper operation.	<p>Oil Water Separators Systems are provided in J-1502000-33.</p> <p>The Contractor shall inspect, provide repairs, maintenance of oily water separator systems, including all ancillary equipment such as but not limited to pumps, sumps, pits, tanks, piping, valves, etc. monthly.</p> <p>Remove oil and clean grit, sand, and sludge from the separator system, holding tank, sump and pit not less than semi-annually.</p> <p>The Contractor shall provide monthly OWS report stating repairs performed and gallons of oil removed from each separator.</p>	<p>Oily water separators are maintained per Contractor's incorporated program and schedule.</p> <p>Monthly OWS report submitted per Section F.</p>
3.5.7	Process Water Treatment	The Contractor shall develop a water testing and treatment program for industrial process cooling towers which are	<p>Process Water Treatment systems are provided in J-1502000-34.</p> <p>The Contractor shall submit the Water Testing and Treatment Program within 30 days</p>	<p>Water Testing and Treatment Program is submitted within 30 days following award.</p> <p>Sampling and</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		not components of HVAC systems to ensure no scale, corrosion or biological growth develops in and on the cooling tower.	<p>following contract award to the KO to validate completeness.</p> <p>The Contractor shall provide and install monitoring and treatment equipment. Work includes flushing and cleaning of cooling towers, and testing and treatment of circulating water to prevent accumulation of scale, corrosion, biological growth and other foreign materials. Program shall be designed to be effective over the entire expected temperature range.</p>	<p>testing is accomplished per the Contractor's program and schedule.</p> <p>Test results confirm that cooling tower water meets the chemical residual limits per the Contractor's Water Testing and Treatment Program</p>
3.5.8	Septic Systems	The Contractor shall provide annual servicing of septic systems	<p>Septic Systems are provided in J-1502000-35.</p> <p>The Contractor shall submit a septic systems program to the KO within 30 days following award.</p> <p>The Contractor shall provide annual pump out services, dispose of waste, and inspect septic systems to ensure it functions properly.</p> <p>The Contractor shall submit service schedule to the KO within 30 days following award.</p>	<p>Septic Systems are maintained per Contractor's program and schedule.</p> <p>Septic Systems are pumped and inspected annually and waste is according to applicable Local, State, Federal regulations.</p>

Section C – 1502000  
Facility Investment

<b>1502000 – Facility Investment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for Non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment – BUMED</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification, Training, and Licensing
2.2.2	Hospital Training Requirements
2.2.3	Core Crew Requirements
<del>2.2.4</del>	<del>Duty Crew</del>
2.3	Special Requirements
2.3.1	General Requirements
2.3.2	The Joint Commission (TJC) Requirements
2.3.3	Annual RPIE Validation/DMLSS-FM Updates
2.3.4	Work Reception
2.3.5	Workmanship and Material Standards
2.3.6	Historical Preservation
2.4	References and Technical Documents
2.5	Environmental Compliance
2.6	Records and Reports
3	Recurring Work
3.1	Service Orders
3.1.1	Emergency Service Orders
3.1.2	Urgent Service Orders
3.1.3	Routine Service Orders
3.2	Preventive Maintenance (PM) Program
3.2.1	HVAC and Refrigeration Systems
3.2.1.1	HVAC Digital Control Systems
3.2.1.2	HVAC Water Treatment Services
3.2.1.3	Freeze Protection
3.2.2	Boiler Systems
3.2.2.1	Boiler Water Testing and Treatment Services
3.2.3	Security Systems and Equipment
3.2.3.1	Public Address System (PA)
3.2.3.2	Nurse Call Station and Infant Alarms
3.2.4	Compressed Air Systems
3.2.5	Emergency Generator Systems
3.2.6	Isolation Rooms, Operating Rooms, designated critical ventilation areas, and Clean Rooms
3.2.7	Food Service Equipment
3.2.7.1	Ice Machines
3.2.8	Fire Protection Systems
3.2.9	Lightning Arrestors and Grounding Devices
3.2.10	Vertical Transportation Equipment (VTE)
3.2.11	General Equipment
3.2.12	Roof Inspection and Cleaning
3.2.13	House Vacuum Wet and Dry Collection Tanks
3.3	Inspection, Testing, and Certification Program
3.3.1	Boilers and UPVs
3.3.2	Backflow Prevention Devices
3.3.3	Vertical Transportation Equipment (VTE)
3.4	Other Recurring Services Program
3.4.1	Interior and Exterior Lighting Systems

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment – BUMED</b>	
3.4.2	Grease Traps and Plaster Traps
3.4.3	Exhaust Fans, Exhaust Hoods and Ducts
3.4.4	Visual and Audible Check on HVAC Systems
3.4.5	Electrical Receptacles
3.4.6	Medical Gas Systems
3.4.7	Electrical Transformers, Breakers and Switches
3.4.8	PA System
3.4.9	Quarterly Crawlspace Inspections
3.4.10	Duty Crew
4	Non-recurring Work

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform Facility Investment services for the Bureau of Medicine and Surgery (BUMED) facilities located at Naval Air Station Jacksonville, Florida and Naval Station Mayport, Florida.
1.1	Concept of Operations	<p>The intent of 1502000 Facility Investment is to specify the requirements for Sustainment, Restoration, and Modernization (SRM) sub-functions only. The Facility Investment requirements within this sub-annex primarily consist of infrastructure sustainment and minimal restoration and modernization work. Sustainment is the maintenance and repair necessary to keep an inventory of facilities and other assets in good working order. Restoration and modernization normally consists of major rehabilitation and capital improvements that is accomplished through other Navy programs. Some major repair, minor construction and stand-alone demolition may be accomplished as part of Facility Investment.</p> <p>The Contractor shall perform maintenance, repair, alteration, demolition and minor construction on facilities and other assets, such as:</p> <p><b>Building and Structures</b></p> <ul style="list-style-type: none"> <li>-Interior and exterior finishes</li> <li>-Roofing</li> <li>-Foundation</li> <li>-Structural Components</li> <li>-Cathodic Protection Systems</li> <li>-Tanks</li> <li>-Petroleum, Oils, and Lubricant (POL) Systems</li> <li>-Pipelines</li> </ul> <p><b>Building Systems</b></p> <ul style="list-style-type: none"> <li>-Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC&amp;R)</li> <li>-Fire Protection</li> <li>-Vertical Transportation Equipment (VTE)</li> <li>-Intrusion Detection Systems</li> <li>-Duress Alarm Systems</li> <li>-Patient Alarm Systems</li> <li>-Nurse Call Systems</li> <li>-Bridge and Jib Cranes</li> <li>-Boilers (excluding Central Utility Plant Boilers)</li> <li>-Unfired Pressure Vessels (UPV)</li> <li>-Compressed Air Systems</li> <li>-Medical and Dental Air Systems</li> <li>-Medical and Dental Gas Piping Systems</li> <li>-Medical and Dental Vacuum Systems</li> <li>-Central Vacuum Systems</li> <li>-Potable Water (including backflow prevention devices)</li> <li>-Wastewater</li> <li>-Electrical</li> <li>-Lightning Arrestors and Grounding Devices</li> <li>-Lighting Systems</li> <li>-Cathodic Protection Systems</li> <li>-Auxiliary Generator Systems (including emergency)</li> <li>-Uninterruptible Power Systems (UPS)</li> <li>-Grease Traps</li> <li>-Plaster Traps</li> <li>-Exhaust Hoods and Ducts</li> </ul>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		-WHE Miscellaneous -Signs -Fences -Food Service Equipment -Locksmith -Drainage Ditches -Monuments -Flag Poles -Mechanical File and Material Storage Systems (such as “LekTrievers™,” “Space Saver™ Shelving,” and similar systems) -Portable Generators, Pumps, Chain Saws, and Other Powered Contingency Equipment -Portable Area Lighting Roads and Paved Surfaces -Traffic Control Devices -Bicycle Paths -Pedestrian/Jogging Paths -Striping -Curbs -Sidewalks -Parking Lots -Bridges -Drainage Systems -Outdoor Courts

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1502000-01 Definitions and Acronyms - BUMED.
2.2	Personnel	<p>The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the Facility Investment function.</p> <p>The Contractor shall submit proof of all certification, training, and licensing requirements per Section F and within four hours of request.</p>
2.2.1	Certification, Training, and Licensing	<p>All maintenance and repair shall be performed by personnel trained and certified by the American Red Cross in Cardio-Pulmonary Resuscitation (CPR).</p> <p>All maintenance and repair shall be performed by personnel trained on Blood Borne Pathogens.</p> <p>All maintenance and repair shall be performed by personnel trained and certified by the OEM.</p> <p>Personnel working on security systems and equipment shall be National Institute for Certification in Engineering Technologies (NICET) Level III certified in Video Security Systems Technician.</p> <p>Personnel inspecting, witnessing tests, preparing reports, and issuing certificates for boilers and UPVs shall be qualified per UFC 3-430-07.</p> <p>Personnel maintaining, repairing, inspecting, testing, operating, or rigging WHE shall be qualified per NAVFAC P-307.</p> <p>Personnel inspecting, certifying, and making recommendations for corrective action for backflow preventers shall be certified per UG-2029-ENV and possess a valid Cross Connection Control Inspectors certificate from the State of Florida.</p> <p>Personnel performing inspections and tests on VTEs shall be qualified per ASME A17.1, and licensed in accordance with the state of Florida FAC 61C-5.007</p> <p>Personnel working on systems, equipment or components containing chlorofluorocarbons (CFCs) and/or hydro-chlorofluorocarbons (HCFCs) shall be certified under an Environmental Protection Agency (EPA) approved technical certification program per OPNAVINST 5090.1 Chapter 6 and licensed in accordance with the state of Florida.</p> <p>Personnel working with or on electrical or electronic equipment shall be trained and certified per NAVFAC MO-200 and U. S. Army Corps of Engineers EM-385.1.1 Safety and Health Requirements Manual.</p> <p>Personnel conducting ground safety checks on lighting arrestors or grounding devices on facilities housing ammunition and explosives shall be certified per NAVSEA OP-5.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>Fire Protection services shall be managed by a qualified individual who is NICET level III certified in fire alarm or NICET level III certified in special hazards systems. The Fire Protection Services Manager shall provide daily supervision over all Fire Protection Services.</p> <p>Personnel working on fire protection systems shall be certified in accordance with the requirements below:</p> <p><b>Fire Alarm Systems:</b></p> <ul style="list-style-type: none"> <li>• Fire Alarm: NICET Level II certification in Fire Alarm Systems.</li> <li>• Detection and releasing systems for Special Hazard Systems such as those found in aircraft hangars and computer server rooms: NICET Level II certification in Special Hazard Systems</li> </ul> <p><b>Water Based Suppression Systems:</b></p> <ul style="list-style-type: none"> <li>• Wet Pipe and Dry Pipe Sprinklers: NICET Level II certification in Inspection and Testing of Water Based Systems.</li> <li>• Pre-Action, Deluge, Foam and Antifreeze Systems: NICET Level III certification in Inspection and Testing of Water Based Systems.</li> </ul> <p><b>Special Hazard Systems:</b></p> <ul style="list-style-type: none"> <li>• Clean Agent, CO2 and Combination Detection/Releasing Systems: NICET Level II certification in Special Hazard Systems.</li> </ul> <p><b>Pre-Engineered Kitchen Fire Extinguishing Systems:</b></p> <ul style="list-style-type: none"> <li>• NICET Level II certification in Special Hazards Suppression Systems or certified by ICC/NAFED in Pre-Engineered Kitchen Fire Extinguishing Systems. The service technician shall have the applicable manufacturer’s design, installation, and maintenance manual and service bulletins.</li> </ul> <p>Less qualified personnel may assist NICET Levels II and III certified personnel in the execution of inspection, testing, maintenance and repair task. At no time shall less qualified personnel be allowed to execute inspection, testing, maintenance and repair task without a qualified NICET Level II or III certified person physically present within the same facility where the inspection, testing, maintenance and repair task are being executed.</p> <p>Personnel performing work on transformers shall be knowledgeable of proper procedures for handling and disposing of insulating fluid containing polychlorinated biphenyls (PCBs)</p> <p>Personnel performing work in HAZMAT/HAZWASTE shall complete the HAZMAT/HAZWASTE handling course or have a minimum of one year of experience working with HAZMAT/HAZWASTE.</p> <p>Personnel performing work and obtaining test data on the cathodic protection system shall be trained per UFC 3-570-06.</p> <p>Other specific certification and training requirements are addressed in Spec Item 3.</p> <p>The Contractor shall ensure all personnel certification, training, and licensing are maintained current.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>																													
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2.2.2	Hospital Training Requirements	<p>Prior to commencement of work, Contractor personnel shall successfully complete Government provided Joint Commission and hospital orientation and training.</p> <p>Initial and recurring training records shall be maintained, and copies provided to hospital administrators, in accordance with the Joint Commission requirements. Annual recertification is required for fire safety and cardiopulmonary resuscitation (CPR) (one half day each). Contractor personnel providing services for the Hospital Complex and its clinics, shall have, at a minimum, the following training prior to performance of any work under this contract which will be paid by the Government:</p> <ul style="list-style-type: none"> <li>• 4 day Hospital INDOC Training (1 time)</li> <li>• Information Assurance Training (Annual)</li> <li>• Infection Control (annual)</li> <li>• Dust Control (Annual)</li> <li>• HIPAA Training (Annual)</li> <li>• National Patient Safety Goals (Annual)</li> <li>• Basic Energy Management (Annual)</li> <li>• DOD Spear Phishing Awareness (Annual)</li> <li>• Environment of Care (Annual)</li> <li>• Patient Communication (Annual)</li> <li>• Other</li> </ul> <p>Training records shall be maintained and copies provided to hospital administrators, in accordance with the Joint Commission and Hospital requirements.</p> <p>Excluding the onetime 4 day Hospital INDOC Training, recurring Joint Commission and Hospital Training Requirements are estimated at approximately 44 hours per employee annually.</p>																											
2.2.3	Core Crew Requirements	<p>As a minimum, the Contractor shall provide the following Core Crew staffing in support of BUMED recurring and non-recurring Work. Core Crew personnel assigned shall have no other duties other than those specified for BUMED. The normal call-in procedures will be utilized after normal working hours. All work performed by the Core Crew shall have no additional labor cost associated with the work performed.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;"><b>BUMED Core Crew Manning Requirements</b></th> </tr> <tr> <th></th> <th style="text-align: center;"><b>Quantity</b></th> <th style="text-align: center;"><b>Time Manned</b></th> <th style="text-align: center;"><b>Hours per Day</b></th> <th style="text-align: center;"><b>Days Per Week</b></th> </tr> </thead> <tbody> <tr> <td>Maintenance Supervisor</td> <td style="text-align: center;">1</td> <td style="text-align: center;">07:30-16:00</td> <td style="text-align: center;">8</td> <td>Monday through Friday, except observed Federal holidays</td> </tr> <tr> <td>Material Parts Expediter/ Admin Support</td> <td style="text-align: center;">1</td> <td style="text-align: center;">07:30-16:00</td> <td style="text-align: center;">8</td> <td>Monday through Friday, except observed Federal holidays</td> </tr> <tr> <td>Mechanical Trades Lead</td> <td style="text-align: center;">1</td> <td style="text-align: center;">07:30-16:00</td> <td style="text-align: center;">8</td> <td>Monday through Friday, except observed Federal holidays</td> </tr> </tbody> </table>			<b>BUMED Core Crew Manning Requirements</b>						<b>Quantity</b>	<b>Time Manned</b>	<b>Hours per Day</b>	<b>Days Per Week</b>	Maintenance Supervisor	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays	Material Parts Expediter/ Admin Support	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays	Mechanical Trades Lead	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
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Section C – 1502000  
Facility Investment - BUMED

1502000 – Facility Investment - BUMED						
Spec Item	Title	Description				
		Maintenance Machinist/ Generator Mechanic	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		HVAC Technician/ DDC Technician	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		HVAC Technician	3	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		HVAC PM Technician	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Master Plumber	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Electrician Trades Lead	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Electrician	3	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Electrician/ Data Technician	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Structural Trades Lead	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Carpenter	2	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Carpenter/ Locksmith	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		Painter (Maintenance)	1	07:30-16:00	8	Monday through Friday, except observed Federal holidays
		General Maintenance Worker	3	07:30-16:00	8	Monday through Friday, except observed Federal holidays

Section C – 1502000  
Facility Investment - BUMED

1502000 – Facility Investment - BUMED																								
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		<p>The Contractor shall provide trades lead personnel at the hospital. These persons shall provide direct leadership to contract maintenance personnel within their respective areas at the hospital complex. The intended purpose of these trades lead personnel is to provide hands-on guidance and leadership to journeymen performing work at the hospital complex and clinics. They shall assist in assignment and management of workload, act as technical experts to assist other tradespersons in resolving complex technical issues and troubleshooting and provide subject matter expert input, analysis and feedback to the hospital facilities department. Leads are expected to provide user/maintainer review of contract documents, to actively participate in production and other work planning meetings and activities, and to assist in utility outage planning and mitigation. The government anticipates that trades leads efforts will not typically be attributable to a specific work/task effort (i.e., a specific service order or PM), and that the majority of their routine (40 hour week) time (50-75%) will likely fall under contract administration and overhead. The Contractor shall provide adequate support staffing to the trades leads so as not to be regularly diverted away from this tasking. The Contractor shall provide adequate numbers of journeymen level and technician level maintenance personnel staffing for the hospital complex and clinics in order to provide the services required by this contract in a timely manner. It is the intent for the Contractor to provide an adequate mixture and number of trade’s personnel to perform the historical baseline of the workload within a standard 40 hour work-week. The baseline of the workload is the combination of effort found within Annex 1502000 recurring and non-recurring Work. Note that future workloads, command necessities and unforeseen situations may require overtime to accomplish tasks within a timely manner.</p> <p>During normal working hours the core crew shall respond to requirements via telephone, service call desk and pagers. The weekend / holiday first shift and second and third shift personnel shall respond to urgent or emergency calls via a Government provided pager or phone.</p>																						
2.2.4	Duty Crew	<p><del>Duty Crew services consist of level of effort type work. Service orders will not be issued for level of effort work accomplished by the Duty Crew. All jobs performed by the Duty Crew shall have no additional labor cost associated with the work performed.</del></p> <p><del>As a minimum, the Contractor will provide the following Duty Crew staffing in support of the hospital requirements:</del></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;"><del>BUMED Duty Crew Manning Requirements</del></th> </tr> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;"><del>Quantity</del></th> <th style="width: 15%; text-align: center;"><del>Time Manned</del></th> <th style="width: 10%; text-align: center;"><del>Hours per Day</del></th> <th style="width: 35%; text-align: center;"><del>Days Per Week</del></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><del>Electrician</del></td> <td style="text-align: center;"><del>1</del></td> <td style="text-align: center;"><del>00:00-24:00</del></td> <td style="text-align: center;"><del>24</del></td> <td style="text-align: center;"><del>Seven days per week, Monday through Sunday, including observed Federal holidays</del></td> </tr> <tr> <td style="text-align: center;"><del>HVAC&amp;R Technician</del></td> <td style="text-align: center;"><del>1</del></td> <td style="text-align: center;"><del>07:30-23:30</del></td> <td style="text-align: center;"><del>16</del></td> <td style="text-align: center;"><del>Five days per week, Monday through Friday, including observed Federal holidays</del></td> </tr> </tbody> </table>			<del>BUMED Duty Crew Manning Requirements</del>						<del>Quantity</del>	<del>Time Manned</del>	<del>Hours per Day</del>	<del>Days Per Week</del>	<del>Electrician</del>	<del>1</del>	<del>00:00-24:00</del>	<del>24</del>	<del>Seven days per week, Monday through Sunday, including observed Federal holidays</del>	<del>HVAC&amp;R Technician</del>	<del>1</del>	<del>07:30-23:30</del>	<del>16</del>	<del>Five days per week, Monday through Friday, including observed Federal holidays</del>
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Section C – 1502000  
Facility Investment - BUMED

1502000 – Facility Investment - BUMED						
Spec Item	Title	Description				
		HVAC&R Technician	1	07:30-16:00	8	Two days per week, Saturday through Sunday, including observed Federal holidays
		HVAC PM Technician	1	00:00-24:00	24	Seven days per week, Monday through Sunday, including observed Federal holidays
		Plumber	1	16:00-24:00	8	Five days per week, Monday through Friday, including observed Federal holidays
		Work Receptionist– DMLSS Direct Entry	2	07:30-16:00	8	Five days per week, Monday through Friday, excluding observed Federal holidays
		<p>The Duty Crew shall respond to facility related problems affecting patient care and issues deemed urgent or emergency by the hospital staff within five minutes of notification.</p> <p>The Duty Crew staffing shall carry and respond to requirements via telephone, service desk and pagers provided by the Contractor for emergency response. The normal call in procedures will be utilized after normal working hours.</p> <p>Duty Crew personnel assigned to provide Hospital Operational Support services shall have no other duties other than those specified for BUMED requirements.</p> <p>The Duty Crew staffing shall make rounds on various utility and equipment systems in the buildings identified in J 1502000-03. These utility and/or equipment systems includes all mechanically and electrically interlocked ancillary parts, equipment, and components, such as: switches, breakers, fuses, disconnects, generators, pressure vessel, heat exchangers, tanks, meters, pumps, piping, valves, monitoring and controls systems, initiating devices, receivers, detectors, sensors, meters, batteries, notification appliances, voice communication devices, antennas, backflow prevention devices, valves, sprinkler heads, nozzles, connections, pumps, piping, air compressors, gauges, electric motors, compressors, condensers, evaporators, filters, driers, strainers, chillers, ducts, registers, intakes, returns, distribution systems, piping, valves, insulation, refrigeration boxes, monitoring and control systems, air dryers, vacuum pumps, potable water heaters, food service and preparation equipment, scullery water heater, drinking water chiller, air handling units, etc.</p>				
2.3	Special Requirements					
2.3.1	General Requirements	The Contractor shall have a thorough understanding of, and comply with, the most recent standards established by applicable accrediting Authorities				

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>Having Jurisdiction (AHJ) such as the Joint Commission (TJC), The Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC), The College of American Pathologists (CAP), The American Association of Blood Banks (AABB), etc., as well as other applicable industry medical codes and standards governing the operation of a medical facility such as those published by the National Fire Protection Association (NFPA), the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), the American National Standards Institute (ANSI), etc. (see Section C-6 for a representative list of required codes and standards). In any case where this conflicts with another requirement, the more stringent shall apply. This includes but is not limited to maintenance, testing, operations and repair.</p> <p>The codes and standards can change during the life of the contract or task order and the Contractor shall remain abreast of any changes which impact these facilities, and shall ensure that all work supports any changes made by the AHJ. Contractor is responsible to be compliant with the current codes and standards during the life of this contract. The Contractor shall notify the Contracting Officer when major modifications are required to maintain code compliance. The Contractor shall implement minor changes into his program.</p> <p>The Contractor shall record and maintain documentation to validate compliance with these codes and standards. This documentation shall be available for review at any time, by Government or third party inspectors, including accreditation survey teams.</p> <p>The Contractor shall prepare and submit an Accreditation Compliance and Documentation Plan for Government review and approval. The plan shall, at a minimum, include the process and procedures that will be used to gather and display required documentation, the process to show objective evidence that all work is in compliance with each applicable AHJ’s accreditation standards, for each element of performance, and shall include specific requirements for each AHJ’s compliance.</p>
2.3.2	The Joint Commission (TJC) Requirements	<p>a. The Contractor shall develop and submit an Environment of Care (EC) Policy and Procedures Manual addressing all training and record keeping for documentation of employee competency.</p> <ol style="list-style-type: none"> <li>1) The Contractor’s employees performing duties in medical treatment facilities (MTFs) are required to attend initial newcomer orientation, and recurring training on an annual basis (usually during their birth month). The training will be provided by the Government as soon as practical. It is the Contractor’s responsibility to ensure that training is completed no more than 30 days after their employee reports to the site. If there is a reason for training to occur outside of the 30 day window, this exception shall be approved by the COR. All training shall be documented to include a sign-in roster of individuals trained within two (2) days following completion of training and available to the COR/COTR for review and concurrence.</li> <li>2) The plan shall also address how the Contractor is ensuring that employees meet TJC’s competency requirements and records documenting that all employees are competent to perform their responsibilities.</li> <li>3) The training and competency records shall be available for review at</li> </ol>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>any time, by Government or third party inspectors, including accreditation survey teams.</p> <p>b. The Contractor shall fully satisfy, and is responsible for, the requirements of the EC Standards relating to utility systems and all other building systems for which the Contractor is responsible for maintenance (fire safety equipment, emergency power systems, medical gas and vacuum systems, HVAC, EMCS, etc.). The Contractor is also responsible for compliance with the Life Safety Standard regarding Interim Life Safety Measures.</p> <p>c. The Contractor shall not be responsible for, but shall participate in and contribute to other standards and elements of performance (EP) such as standards to manage, identify and respond to risks in the environment.</p> <p>d. The Contractor shall be prepared for an unannounced survey at any time, and shall have plans and documents in place at all times.</p> <p>e. The Contractor shall have a management program that is used to identify and document utility problems, failures, and user errors that are or may be a threat to the patient care environment. The Contractor shall identify problems. When problems are identified, the Contractor shall take actions to resolve them, document the actions, and evaluate the actions for effectiveness.</p> <p>f. Where required by the task order scope of work, the Contractor shall provide additional support to the facility in compliance with TJC requirements. This additional support shall include, but not be limited to the following:</p> <ol style="list-style-type: none"> <li>1) Annual TJC briefing for the facility staff, focused on applicable updates and changes to TJC standards and practices.</li> <li>2) Annual review of Life Safety and/or other TJC required plans by Contractor personnel qualified in the area. The Contractor shall provide the COR/COTR with the recommend changes.</li> <li>3) Contractor performance of a building tour periodically as required to review and recommend updates to the Statement of Condition (SOC) report. The Contractor shall provide the COR/COTR with the recommend updates.</li> </ol> <p>g. Contractor personnel shall participate in activities of the MTF that are designed to meet the requirements of TJC pertaining to Process Improvement (PI) programs. These include the participation in a comprehensive PI program for the services required, including PI monitors, data collection, report preparation, and presentation. Any findings of the quality improvement monitor shall be presented to the Contractor by the COR/COTR for appropriate action. The Contractor’s proper performance of maintenance and management tasks shall ensure safety and patient care requirements are met and ensure that TJC accreditation is maintained. The Contractor shall adhere to the local MTF policies related to TJC compliance.</p> <p>h. The Contractor shall conduct quarterly in-process, line item reviews of his program with Government personnel. The Contractor shall type and distribute minutes of those meetings within 30 calendar days of the meeting. The Contractor shall take action to resolve discrepancies identified in the line item review.</p>
2.3.3	Annual RPIE Validation/ DMLSS-FM Updates	<p>PM Procedure Validation: The Contractor shall validate the DMLSS-FM PM procedures during each scheduled maintenance encounter with RPIE items to ensure procedures are current and relevant to each RPIE item according to Manufactures recommendations, applicable Regulations and Federal, State and Local</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>Codes. Any change to task descriptions shall be submitted to the COR/COTR in writing for review prior to implementation.</p> <p>PM Procedure Changes. DMLSS-FM PM Procedure changes identified by the Contractor, either through local mechanics performing the PM or corporate compliance functions, shall be submitted to the COR/COTR for validation.</p> <p>RPIE Validation: Using the Spec Sheet/WR for the RPIE item validate the name plate information, capacity, specifications etc. updating any changes to the information on the Spec Sheet/WR. Ensure the RPIE label is clearly visible, securely attached to the equipment item, and matches the RPIE ID on the Spec Sheet/WR. If any deficiencies are identified request and install new labels before completing the WR.</p> <p>RPIE Assessments: The Contractor shall assess and document equipment condition annually in conjunction with a scheduled PM action and in accordance with DHA BUILDER implementation guidance. Direct condition ratings shall be reported on the Condition Assessment Tab in DMLSS-FM. The Contractor may recommend a distressed assessment be performed either by work request or at the next scheduled PM. The COR/COTR may dictate in the PM procedures a distressed assessment be performed based on the condition of the equipment.</p> <p>DMLSS-FM: Computerized Maintenance Management System (CMMS): The Contractor shall use the Government-provided Defense Medical Logistics Standard Support – Facilities Management (DMLSS-FM) maintenance management system as the primary automated system to manage all work. DMLSS-FM may be installed on any Government-furnished computer but cannot be installed on any computers provided by the Contractor. The Government will maintain all hardware and software in support of DMLSS-FM. The Contractor shall be responsible for completion of all data input and for maintaining the accuracy of the data in the DMLSS-FM system for the following modules as described below unless otherwise noted.</p> <ol style="list-style-type: none"> <li>1. Work Request Module. The Contractor shall document all information relating to work requests in this module. Each work request shall contain the following information as a minimum: description of work requested, name of requester, date and time received, piece of equipment, priority, building number, scheduled completion date, description of work performed, labor hours, labor cost (using hourly rate and fringes as stated on wage decision), parts cost (to include expendable items), total cost, date and time work completed, and name of employee performing work. All screens and fields (Detail, Assigned, Estimate, Status, Coordination, and Close Out) shall be completed before close out of the work request. As the status of a work request changes, it shall be updated in DMLSS-FM. When recording the man-hours of work performed indicate the hours of work by trade regardless of the skill level of the individual who performed the work. Actions and notes feature is used to document other entries that cannot be added into individual screens. Two examples of required data entries are: (1) Estimate screen shall be completed to show the estimated work hours and materials needed to perform work. (2)</li> </ol>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>Coordination with the COR/COTR shall be documented to show complete coordination that has taken place. Actions and notes entry examples are: (1) maintenance workers notes explaining work performed. These notes are normally written on the work requests form. (2) Reasons for canceling a work request, who canceled it, etc. These are examples and shall not be misconstrued as the only data inputs required. No work request shall be deleted or archived without permission of the COR/COTR. A monthly report shall be submitted to the COR/COTR by the fifth working day of the month. It shall list the incomplete work orders. The report shall include work order number, description of work, date received, scheduled completion date, and an explanation for all work orders not completed within the required time frame.</p> <p>2. Facility Systems Inventory (FSI) Module. The Contractor shall document all information relating to FSI (also known as Real Property Installed Equipment (RPIE)) in this module. All screens and fields (Classification, Capacity, Specifications, Manufacturer (model, serial number, etc.), Warranty, and Costs) shall be completed. The Contractor shall, while performing work, gather data to complete the entries and input any missing data into this module. The Contractor shall gather and input all data into this module when the Contractor replaces or adds new systems / equipment to a facility within 14 work days of acceptance of new or replacement equipment. When work is performed by another Contractor and systems/equipment are replaced/added, the Contractor shall ensure that all systems and equipment are inventoried and labeled, and shall enter all data into the FSI module within 14 calendar days of the COR/COTR's acceptance of new equipment. No system/equipment shall be changed, deleted or archived without permission of the COR/COTR.</p> <p>a. The Contractor shall ensure that all RPIEs have the proper information in the following fields: Installation, Facility (Five digit building number – Facility Name), Room Name, Room Number (per paragraph b), Facility System, Facility Subsystem, Assembly Category, Nomenclature, ID/Index Number (per paragraph c), Bar Code Number, Area Supported, Rooms Supported, Equipment Hazard, Condition Code, Date (date condition code was established), Risk Assignment, Hierarchical Relationships, RPIE Group Risk Factor, Manufacturer's Data: Manufacturer, Model Number, Serial Number, Catalog Number, Vendor's Data: Vendor, Vendor POC, POC Telephone, Installation and Warranty Information: Installation Date, Life Expectancy, Warranty Start Date, Labor Warranty Duration, and Parts Warranty Duration (only applicable if under warranty), Reference Documents (Record Company performing the inspection and date), Purchase Order Number, Cost data to include Spare Parts List and Costs, and Acquisition and Replacement Costs, Nameplate data and Specification (at a minimum and as applicable): Capacity, Volts, Amps, Phase, Hz, Hp, KVA, KW, Frame, RPM, CFM, Ton, BTU, PSI, GPM, Refrigerant, Belt Size, Filter Size, Sheave Size, Lubrication/Grease type, etc.</p> <p>b. The Contractor shall ensure that all RPIEs have a valid room number assigned in the room number field. Coordinate with the COR/COTR for correct number, architectural or other number or both. The Other Location Field should only be used if needed. Additional location information may be noted here.</p> <p>c. The Contractor shall ensure that all new RPIEs have a valid RPIE ID/Index number in the established format: Five digit building</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>number– RPIE ID (from RPS, up to 5 characters) – 4 digit sequential number – room number (up to 8 digits). Except in the case of electrical panels, the panel number would be placed where the sequence number would go. When required by task order, the Contractor shall validate and/or update all existing RPIE to comply with the new format.</p> <p>3. Maintenance Procedures Module. The Contractor shall document all information relating to maintenance procedures in this module. All screens and fields (Detail, Tasks, Safety Precautions, Tools and Materials) shall be completed. The Contractor shall ensure in their daily performance of PM that all maintenance procedures maintain manufacturers’ warranties, adhere to manufacturers’ recommended standards and materials, adhere to code mandated maintenance, adhere to accreditation requirements, if applicable, and adhere to industry/craft standards/recommendations of maintenance. Maintenance procedures for new equipment shall be entered into this module by the O&amp;M Contractor within 30 calendar days of COR/COTR acceptance. The Contractor shall be responsible for making all changes to a maintenance procedure. However, no procedure shall be changed, added, deleted or archived without permission of the COR/COTR. The process for acceptance of new PM procedures or changes to existing PM procedures is as follows.</p> <p>a. PM procedures will be provided by the Government and used by the Contractor. In the event that unique equipment exists or is procured, where the manufacturer’s unique PM procedures are required, they shall be entered by the Contractor upon approval of the COR/COTR.</p> <p>b. When through experience or when required by a regulatory body having jurisdiction (e.g., TJC, NFPA, RCM, etc.) the Contractor may modify the PM procedures, add procedures or change intervals of performance. However no procedures may be modified without prior approval from the COR/COTR.</p> <p>4. Preventive Maintenance Schedule Module. The Contractor shall document all information relating to PM scheduling in this module. All screens and fields (Detail, Assignment) shall be completed. The Contractor shall ensure all frequencies of maintenance meet manufacturer’s recommendations, all applicable regulatory requirements, and FSI data entry. No PM shall be scheduled, unscheduled, deleted, or archived without permission of the COR/COTR.</p> <p>a. The Contractor shall generate the monthly PM schedule from DMLSS-FM (to include any and all PMs, tests and/or inspections scheduled to be accomplished during the month (i.e. quarterly, semi-annual, annual, 5 year, etc. scheduled for that month). The schedule shall identify each PM by work request number, equipment number, nomenclature, tasking number and date scheduled. The date scheduled shall comply with all applicable regulatory requirements (i.e. generator tests shall be within a 20 to 40 day window of the previous monthly test). Provide a copy of the schedule to the COR/COTR no later than five working days before the end of the month prior to the month in which the PMs are to be performed. All PMs shall be performed in the month it is scheduled in the DMLSS-FM system. If a PM, test or inspection cannot be performed on the date scheduled, the COR shall be notified prior to the originally scheduled date.</p> <p>b. The Contractor shall generate the weekly PM schedules from DMLSS-FM and shall provide a copy of the schedule to the</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>COR/COTR. The weekly schedules shall be in the same format as the monthly PM schedule, but shall also identify the date and time of day (morning/afternoon) when each PM is scheduled to be performed. The weekly schedule shall be provided to the COR/COTR no later than the last working day of the week prior to the week the PMs are scheduled to be performed.</p> <p>c. Performance of PM services may identify the need for repair of the equipment or facility being serviced. Any such repair work shall be entered into DMLSS-FM and performed as a work request under the Maintenance and Repair work requirements of this contract. Repair requirements discovered during performance of a PM outside the scope of the PM tasks may be performed by PM personnel only when such work does not interfere with the PM weekly schedule. If the repair interferes with the weekly PM schedule, a separate work request shall be submitted for the repair.</p>
2.3.4	Work Reception	The Contractor shall provide the capability to receive, prioritize, correspond, and respond to trouble/service orders and task orders during Government regular working hours and provide a point of contact at a local or toll free number who can perform the above function during other than Government regular working hours.
2.3.5	Workmanship and Material Standards	<p>The Contractor shall be responsible for maintaining all facilities, systems, and equipment, identified in this technical sub-annex, to a standard that prevents deterioration beyond that which results from normal wear and tear and corrects deficiencies in a timely manner to assure full life expectancy of the facilities, systems, and equipment. Best commercial practices shall be applied in the performance of work. All work shall be completed per approved and accepted industry and equipment manufacturers' standards and shall comply with building and safety codes, applicable activity, local, state, and federal regulations, and other technical requirements identified within this technical sub-annex.</p> <p>Workmanship for maintenance and repair shall include all work necessary to complete facility and system restoration, including touch-up painting and operational checks. Upon completion of work, the Contractor shall ensure all facilities, systems, and equipment are free of missing components or defects which would affect the safety, appearance, or habitability of the facilities and structures or would prevent any electrical, mechanical, plumbing or structural system from functioning in accordance with design intent. Repairs shall be made in accordance with the manufacturers' specifications and guidelines, and standard building codes. The quality of repairs shall meet the applicable standards and shall prevent any malfunction reoccurrences caused by poor workmanship or other Contractor inadequacies. The quality of the repaired areas shall be fully compatible with adjacent surfaces or equipment. Except where otherwise specified, replacements shall match existing in dimensions, finish, color, design, and functionality and shall have an appearance similar to the original finished appearance with only minor unobjectionable deterioration resulting from normal use.</p> <p>The Contractor shall not allow debris to spread unnecessarily into adjacent areas nor accumulate in the work area. All such debris, excess material, and parts shall be cleaned up and removed at the completion of the job and at the end of each day work is in progress. Upon completion of work, any stains and other unsightly marks shall be removed.</p>
2.3.6	Historical	Buildings and facilities designated as historical sites shall be maintained in

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	Preservation	accordance with Federal, state and local historical policies and regulations.
2.4	References and Technical Documents	References and Technical Documents are listed in J-1502000-02 BUMED.
2.5	Environmental Compliance	The Contractor shall comply with all applicable federal, state, and local regulations, policies, and instructions in accordance with Annex 0200000 Management and Administration. The Contractor shall coordinate with the Installation Environmental Program Manager (IEPM) and Naval Hospital Environmental Manager to ensure compliance with installation and Naval Hospital environmental instructions.
2.6	Records and Reports	Records and reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents within the required timeframes and within 24 hours of request.

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall maintain, repair and alter facilities, systems, equipment and other assets to ensure they are fully functional and in normal working condition.	<p>The Contractor shall develop, implement and execute Service Order; Preventive Maintenance Program; Inspection, Testing and Certification Program and Other Recurring Services Program to maintain and repair facilities, systems, equipment and other assets .</p> <p>Prior to the performance of work that requires a device or system (i.e., medical gas, monitor equipment, data centers, etc.) to be taken out of service or that impacts the normal functioning of that device or system, the Contractor shall notify the Hospital or Clinic Maintenance Point of Contact at least 10 days in advance to obtain authorization to perform that work.</p> <p>The Contractor shall maintain all maintenance, repair, and alteration data and warranty records in the technical library and CMMS in accordance with Annex 2.</p> <p>BUMED facilities description is provided in J-1502000-03 BUMED.</p>	Facilities, systems, equipment and other assets are in normal working condition and function properly in accordance with specified standards.
3.1	Service Orders	The Contractor shall perform service order work in a timely manner to accomplish any work identified within the entire boundary of the installation and ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.	<p>The Contractor shall receive service orders in accordance with the work reception requirements in Annex 2.</p> <p>The Contractor shall schedule and perform service orders in a way that minimize disruptions to customers and Government operations.</p> <p>Service orders will include a wide variety of work. Sample of historical service order data is provided in J-1502000-04 BUMED. Historical service order data associated with contracts prior to this solicitation may present data that may not be</p>	<p>Service order work is responded to and completed within the specified time.</p> <p>Facilities, systems, ground structures and other assets are restored to normal working condition and function properly in accordance with OEM specifications, including recertification if applicable.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>representative of requirements specified. The Government makes no warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of the historical service order data.</p> <p>The Contractor shall maintain sufficient materials and equipment on hand to support service order work requirements. Lack of availability of material or equipment will not relieve the Contractor from the requirement to complete service order work within the time limits specified.</p> <p>The Government may combine multiple requirements received for the same facility, system, ground structure or other asset at the same time into one service order.</p> <p>The Contractor has full responsibility for any work up to the service order limit of liability of 32 direct labor hours or \$2,500 in direct material cost per service order. The Government will only pay for the portion of direct labor and/or direct material that exceeds the service order limits of liability.</p> <p>The Contractor shall notify the KO upon identification that the service order will exceed the specified limits of liability in accordance with reporting requirements in Annex 2. If a non-recurring work is issued for the portion exceeding the specified service order limits of liability, the Government will only pay for the portion of direct labor and/or direct material that exceeds the service order limits.</p> <p>Examples of work exceeding the Service Order limits of liability:</p>	<p>Work is accomplished per Spec Item 2.3.5<sup>4</sup>, Workmanship and Material Standards.</p> <p>When service order is complete the facility, system, ground structure or other asset does not present danger to personnel.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<ul style="list-style-type: none"> <li>• If a service order requires 33 direct labor hours and \$2,500 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour that exceeds the Service Order limit of liability.</li> <li>• If a service order requires 32 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the \$100 in direct material cost that exceeds the Service Order limit of liability.</li> <li>• If a service order requires 33 direct labor hours and \$2,600 in direct material cost, the Government may issue a task order in accordance with the Non-recurring Work portion of the contract for the one direct labor hour and \$100 in direct material cost that exceeds the Service Order limit of liability.</li> </ul> <p>The Contractor may invoice for completed service orders. The Contractor shall not invoice for incomplete service orders and service orders not issued. A modification will be process at the end of each period of performance to deduct for service orders not issued and incomplete service orders. Deduction will be based on the unit prices specified in Attachment J-0200000-13 ELINs.</p> <p>The Contractor shall submit a monthly summary of completed service orders per Section F.</p>	
3.1.1	Emergency Service Orders	The Contractor shall perform	The Contractor shall perform emergency service orders 24	Emergency calls at hospital buildings

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		<p>emergency service order work in a timely manner to accomplish any work identified within the entire boundary of the installation to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.</p>	<p>hours a day, seven days a week throughout the contract period.</p> <p>The Contractor shall respond to emergency service orders with the appropriate service personnel and equipment to commence work immediately.</p> <p>The Duty Crew is responsible for responding in five minutes to facility 2080 and 2090 related problems affecting patient care and issues deemed urgent or emergency by the hospital staff.</p> <p>The duty crew shall investigate and respond within fifteen minutes to other emergency calls in the NAVHOSP Complex (Buildings 950, 964, 964A, 2004, 2005, 2030, 2033, 2034, 2036, 2056, 2057, and 2091), evaluate the situation and arrest the emergency.</p> <p>The Contractor shall remain at the work site until the emergency has been arrested.</p> <p>If further labor and material (follow-up work) are required to complete the repair, the call will be reclassified as appropriate to the scope and cost of the work and the corresponding completion time will then apply. Such follow-up work shall be considered part of the original service call.</p>	<p>2080 and 2090 responded to within five minutes of receipt of call 24 hours a day.</p> <p>Emergency service calls at the clinics and buildings other than buildings 2080 and 2090 shall be responded to within fifteen minutes during Government regular working hours and within two hours of receipt of call outside of Government working hours.</p> <p>Emergency work is continued without interruption until emergent condition is arrested. The emergent condition is arrested when the facility, equipment or system does not present a potential for further loss or damage, reduction in critical patient care capability, or injury to personnel.</p> <p>Emergency service calls are completed prior to departure of site.</p>
3.1.2	Urgent Service Orders	The Contractor shall perform urgent service order work in a timely manner to accomplish any work identified within the entire boundary of the	The Contractor shall perform urgent service orders without extended delay.	Urgent service orders are completed within five working days.

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		installation to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.		
3.1.3	Routine Service Orders	The Contractor shall perform routine service order work in a timely manner to accomplish any work identified within the entire boundary of the installation to ensure facilities, systems, ground structures and other assets are fully functional, in normal working condition and function properly in accordance with specified standards.	Some routine service may be required to be performed outside of regular working hours. Refer to “Government regular working hours” in Annex 2.	Routine service orders are completed within 30 calendar days.
3.2	Preventive Maintenance (PM) Program	The Contractor shall develop and implement a PM program for facilities, systems, equipment and other assets to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The Contractor shall develop and submit a PM program per Section F.</p> <p>The Contractor is fully responsible for and shall perform any repairs, including replacement, discovered during scheduled maintenance work up to a total of \$250 per occurrence in direct material and labor cost under recurring work portion of the contract. Incidental repairs work performed under maintenance are not considered a service order.</p> <p>Notification of urgent repair work exceeding the PM limit shall be submitted to the KO within two hours of identification. Notification of</p>	<p>Maintenance is accomplished in accordance with the Contractor’s PM program and work schedule.</p> <p>PM is performed in accordance with manufacturers’ recommended procedures and OEM standards.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>routine repair work exceeding the PM limit shall be submitted to the KO within two days of identification. Notifications of either type of repair discovered on a PM shall be accompanied by a cost estimate for the repair. Service Orders or Non-recurring work orders may be issued for repairs exceeding the PM limit of liability.</p> <p>Example of exceeding the PM limit of liability: If an individual occurrence of incidental repair requires \$300 in direct labor and/or direct material cost, the Government may issue a service order or a task order in accordance with the non-recurring portion of the contract for the \$50 in direct labor and/or direct material cost that exceeds the incidental repair PM limit of liability.</p> <p>The Contractor shall not use breakdown maintenance as part of the PM program.</p> <p>The PM program shall provide an economical approach, manufacturers' recommended procedures, OEM standards, and maintenance required to satisfy equipment warranties and keep facilities, systems, equipment and other assets in a normal working condition.</p> <p>Excessive or repeated system or equipment breakdowns or deficiencies may indicate the need to adjust or modify the Contractor's PM program. These changes will be made at no additional cost to the Government.</p> <p>Prior to the 15th of each month, the Contractor shall submit the next month's PM schedule. The PM schedule shall include date</p>	

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>the PM was last accomplished. A similar report shall be generated for each installation and shall include a request for any needed equipment outages.</p> <p>The Contractor shall submit a report for the previous month of PM activity. At a minimum this report will indicate any unaccomplished PMs and the status of all equipment checked and any needed follow on repairs. The completed report should be organized by installation, then by facility number, then by system or device being PMd. Incomplete or PMs that identify repairs (made or needed) should be highlighted to clearly call attention to them. Each occurrence of PM shall be documented on a form approved by the Facilities Department at the Hospital. PM documentation shall be unique to the device receiving service and include all OEM recommendations and all required PM points as specified in this annex.</p>	
3.2.1	HVAC and Refrigeration Systems	The Contractor shall maintain HVAC and refrigeration systems to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The HVAC and refrigeration systems descriptions are provided in J-1502000-05 BUMED.</p> <p>Temperature settings for HVAC and refrigeration systems shall be maintained as specified in J-1502000-06.</p> <p>Prior to the performance of work that requires a device or system to be taken out of service or that impacts the normal functioning of that device or system, the Contractor shall notify the Hospital or Clinic Maintenance Point of Contact to obtain authorization to perform that work.</p> <p>HVAC systems commence at the</p>	<p>Maintenance is performed in accordance with Contractor's PM program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>HVAC and refrigeration systems are maintained at the required temperature.</p> <p>HVAC and refrigeration systems are in</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>utility isolation point of connection and terminate at the point of delivery to the building environment and include all supplies, returns, and make up air. The system provides clean conditioned air and encompasses all associated equipment (components), such as: water and air cooled chillers, fans, louvers, dampers, water and steam boilers, heating and cooling coils, UV lamps, elements, controls, devices, parts, media, and filters, including High Efficiency Particulate Air (HEPA) type and high efficiency filters, needed to ensure proper system operation.</p> <p>Air filters shall be low pressure drop, 100% synthetic media, rigid plastic housing, throw-away filters of appropriate sizes and quantities for each air handling unit. Initial filter pressure drop of 2" MERV 8, 4" MERV 14 &amp; 12" MERV 14 filters shall be 0.24", 0.23" and 0.19" respectively at 500 FPM face velocity. Pre-filters/primary filters shall be changed monthly. Outside Air filters may require more frequent changing at the mechanics discretion. Final filters/box filters and HEPA filters shall be changed annually.</p> <p>UV lamps shall be changed annually with 2 year service life luminaries that degrade no more than 20% during the service life. Spent lamps shall be replenished with used lamps whenever found not operational during any other AHU PM. Provide UVC lamps of the very high output, HVAC type. The lamps shall be hot cathode, T5 (15mm) diameter, and medium pin type. They shall produce 95% of their energy at 254 nm and be capable of</p>	<p>compliance with environmental regulations.</p> <p>Water cooled chiller vibration analysis accomplished every two years.</p> <p>Chiller tube inspection &amp; cleaning accomplished annually during low demand season.</p> <p>Evaporator &amp; Condenser tube eddy current analysis accomplished every three years.</p> <p>AHU pre filters replaced during monthly, quarterly, semi-annual and annual PM.</p> <p>AHU and duct mounted Final or HEPA filters replaced annually.</p> <p>UV lamps replaced annually.</p> <p>Auto Lubers replaced annually.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>producing the specified output at airflow velocities to 1000 fpm at temperatures of 35 - 170° F. UVC lamps shall produce no ozone or other secondary contamination. The UVC fixture shall have a high efficiency electronic power source of 115/1/60 and shall be UL listed to comply with UL Standard 1995.</p> <p>Bearing Auto Lubers shall be replaced on an annual basis in all AHU's where Auto Lubers are installed.</p> <p>The Contractor shall not vent or otherwise dispose of any Class I ozone-depleting refrigerant in a manner that will permit its release into the environment. These refrigerants shall be captured and recycled in accordance with all Federal, state, and local environmental regulations.</p> <p>Contractor shall maintain systems per manufacturer's recommendations, Division 23 Heating, Ventilating, and Air Conditioning of the Unified Facilities Guide Specifications (UFGS), National Fire Protection Association (NFPA) for Health Care Facilities, Center for Disease Control, Air Quality Requirements, 29 CFR, and current American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) standards, ASME Sections VI, VII, ANSI B31.1, and the National Board of Boiler Inspectors Codes.</p>	
3.2.1.1	HVAC Digital Control Systems	The Contractor shall perform PM for digital controls to ensure HVAC systems are prepared and activated at the start of each season	<p>The Contractor shall place each control device in every mode of operation and verify proper operation and sequencing of all fans, drives, dampers, valves, and devices.</p> <p>The Contractor shall perform</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		and deactivated and preserved at the end of each season.	<p>monthly backups for all DDC control panels and workstations by OEM certified technicians.</p> <p>The Contractor shall provide 16 hours of system training per quarter and quarterly software and firmware updates from OEM manufacturers.</p> <p>The Contractor shall replace all defective sensors within fourteen (14) calendar days of discovery or notification by DDC operator.</p> <p>If a needed repair is identified during the course of PM, notify the COTR immediately with details of the needed repair.</p>	<p>accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>
3.2.1.2	HVAC Water Treatment Services	The Contractor shall provide and implement a HVAC Water Testing and Treatment Program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall develop a HVAC Water Testing and Treatment Program for water-cooled chillers and cooling towers per original equipment manufacturers specifications and ASHRAE standards for applicable equipment.</p> <p>The Contractor shall submit the HVAC Water Testing and Treatment Program within 30 days following contract award to the KO to validate completeness.</p> <p>Additionally, the Contractor shall treat water in heating systems whether closed or open loop. Test results to confirm that heating water meets the chemical residual limits per the Contractor's HVAC Water Testing and Treatment Program.</p>	<p>Sampling and testing is accomplished per the Contractor's program and schedule.</p> <p>Test results confirm that cooling or chilled water meets the chemical residual limits per the Contractor's HVAC Water Testing and Treatment Program.</p>
3.2.1.3	Freeze Protection	The Contractor shall provide an effective freeze protection program to ensure no damage to HVAC Systems.	<p>The Contractor shall implement freeze protection for heating/cooling coils and associated equipment (pumps, piping, towers, other), which may be susceptible to freezing.</p> <p>The Contractor shall monitor ambient temperatures to determine need for implementing freeze protection.</p>	<p>Freeze protection is accomplished per the Contractor's program and schedule.</p> <p>No damage to HVAC system occurs as a result of freezing.</p>
3.2.2	Boiler Systems	The Contractor	The boiler systems descriptions	Maintenance is

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		shall perform maintenance on boilers and associated equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>and certification dates are provided in J-1502000-07 BUMED.</p> <p>The Contractor personnel working on boilers, UPVs and associated systems shall possess a current state license from Georgia or Florida, as applicable to the site of the work.</p> <p>The Contractor shall comply with minimum attendance requirements as specified in Section 3150 of NAVFACINST 11300.37, Energy and Utilities Policy Manual.</p> <p>The Contractor's PM program shall include performance of annual boiler overhaul, including repairs necessary for certification, as specified in Chapter 8 of UFC 3-430-07, Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels.</p> <p>Water testing and treatment for boilers shall comply with Spec Item 3.2.1.2. All work on boilers and hydronic heating systems shall be performed in compliance with NAVFAC MO-324.</p> <p>Fuel purchase shall comply with local military installation's directives.</p>	<p>performed in accordance with Contractor's PM program and work schedule. Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>
3.2.2.1	Boiler Water Testing and Treatment Services	The Contractor shall provide and implement a Boiler Water Testing and Treatment Program to ensure optimum equipment operation and to maximize useful life.	<p>The Contractor shall develop a Boiler Water Testing and Treatment Program per equipment manufacturer's specifications and the Unified Facilities Guide Specifications (UFGS) for applicable equipment.</p> <p>The Contractor shall submit the Boiler Water Testing and Treatment Program within 30 days following contract award to</p>	<p>Sampling and testing is accomplished per the Contractor's program and schedule.</p> <p>Test results confirm that boiler water meets the chemical residual limits specified in the Unified</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>the KO to validate completeness.</p> <p>The Contractor personnel working on boilers and associated systems shall possess a current state license from Georgia or Florida, as applicable to the site of the work.</p> <p>Boiler water shall be maintained within the limits specified in the Unified Facilities Guide Specifications (UFGS).</p> <p>For hot water boilers with capacities exceeding 5 MBTU(H) and steam boilers with capacities exceeding 0.4 MBTU(H), samples of feedwater, boiler water and condensate shall be tested and certified monthly by an independent laboratory for simultaneous comparison with Contractor analyses.</p>	Facilities Guide Specifications (UFGS).
3.2.3	Security Systems and Equipment	The Contractor shall perform PM on security systems and equipment in designated areas to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The security systems and equipment description are provided in J-1502000-08 BUMED.</p> <p>Security systems and equipment include but are not limited to interior and exterior surveillance systems, intrusion detection systems (IDS), alarm systems, access control systems, patient security systems, infant security systems, residential security equipment, and other security and detection devices.</p> <p>Duress and intrusion alarms shall receive monthly PM to include functional test to verify notification at Quarterdeck, Hospital Security and the RDC.</p> <p>Maintenance shall comply with all OEM requirements and standards. The systems listed have components, software, programming and access codes that are proprietary in nature.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Duress and intrusion alarm test results submitted to Hospital Facilities within one (1) week of test completion.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			All maintenance and repair to these systems shall be conducted by personnel OEM trained and certified on the system which they are working. The Contractor is responsible for obtaining security clearances as required.	
3.2.3.1	Public Address System (PA)	The Contractor shall provide Quarterly Preventive Maintenance Public Address System (PA) to ensure continuous and reliable system operation.	<p>The Contractor shall clean, adjust and perform an operational check of all PA system components, amplifiers and amplifier racks and verify each volume controls exercised throughout the Hospital, Building 2080 and the branch health clinics at Jacksonville (building 964 and 964A) and Mayport (building 2104) quarterly. The Contractor shall coordinate PMs with Hospital Facility Manager.</p> <p>The Contractor shall provide the Hospital Facility Manager a report within 5 days after PM is completed. At a minimum, the report shall include any deficiencies found and corrected or any additional work needed.</p>	<p>Work coordinated with Hospital Facility Manager.</p> <p>System components clean and operate as intended.</p> <p>Complete status report provided within 5 days.</p>
3.2.3.2	Nurse Call Station and Infant Alarms	The Contractor shall perform annual preventive maintenance on Nurse Call Stations and Infant Alarms system to ensure continuous and reliable system operation.	<p>The Contractor shall PM and test nurse call systems and infant alarms annually per NFPA99, TJC and manufacturer instructions including cleaning and observing all satellite, master and power supply cabinets, transmitter and receivers, etc. The Contractor shall check for faults and errors and operationally check operation of the system.</p> <p>The Contractor shall perform a functional test on the infant security system monthly and document results on a form approved by the hospital. The Contractor shall certify the infant security system annually. The annual certification shall be performed by OEM certified personnel.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Equipment and components operate and cleaned as specified.</p> <p>PM checklist provided to the Hospital Facility Manager within 5 days completion.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The Contractor shall develop a schedule and coordinate execution with the Facility Management Department.</p> <p>Create an approved checklist and submit it annually within 5 days of completion to the Hospital Facility Manager including the condition of systems and discrepancies corrected and any recommendations to improve reliability.</p> <p>Historically, there have been three nurse call system in building 2080. System 1 is a Dukane Pro 6000 with 7 satellite cabinets and 37 Auxiliary Cabinets. System 2 is a Cornell 400 System has 7 Master Stations and 4 Power Supply Cabinets. System 3 is a Cornell 4000 has 8 Master Stations and 8 Power Supply cabinets.</p>	
3.2.4	Compressed Air Systems	The Contractor shall perform PM on compressed air systems and associated equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The compressed air systems descriptions are provided in J-1502000-09 BUMED.</p> <p>The Contractor’s PM program shall be developed based on manufacturers’ recommended procedures, OEM standards, MO-206, Maintenance and Operation of Air Compressor Plants, and MO-209, Maintenance and Operation of Steam, Hot Water, and Compressed Air Distribution Systems, for applicable systems and components.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>
3.2.5	Emergency Generator Systems	The Contractor shall perform PM on emergency generator systems to ensure proper operation, to minimize breakdowns, and to maximize useful	<p>The emergency generator systems descriptions are provided in J-1502000-10 BUMED.</p> <p>The Contractor shall comply with NAVFAC MO-912 and UFC 3-560-01.</p>	<p>PM is accomplished per the Contractor’s program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		life.	<p>PM shall include periodic startup, run, load test, fuel testing; reconditioning and water removal and annual simulation of power outage to ensure generator, transfer switch, UPS systems function properly.</p> <p>Auxiliary generator systems equipped with an automatic transfer switch shall be activated to restore electrical power within five minutes following loss of power and shut down within 15 minutes following restoration of power.</p> <p>The Contractor shall establish and maintain a log that lists: date of check and number of run hours shown by the hour meter for emergency and non-emergency. Operational exercising shall not damage existing equipment; result in additional outages or impact customers. The Contractor shall submit a copy of the log to the KO and COR monthly.</p> <p>The Contractor shall load bank test all emergency generators annually in accordance with manufacturer's Operation and Maintenance (O &amp; M) manuals. The Contractor shall submit a record date of test, resistance, capacitance, inductive and impedance readings to the KO and COR within 10 days after completing the test. The form for generator reporting shall be approved by the Facilities Department at the Hospital. All fuel tanks for diesel powered generators are to be kept at least 80% full. At no time shall a diesel powered generator be rendered inoperative due to lack of fuel.</p> <p>The Contractor shall ensure that sufficient fuel is available for</p>	<p>to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Electrical power is provided in a timely manner to meet the demand following a power outage.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>emergency generator operations at all times. The Contractor shall initiate fuel orders, receive fuel from tanker trucks, transfer to and among storage tanks, and make all operational fuel transfers. The Contractor shall comply with all Federal regulations pertaining to fuel operations.</p> <p>Maintenance shall comply with all OEM requirements and standards.</p> <p>The Contractor’s PM program shall include periodic startup, run and load test of all emergency generators to ensure operability.</p> <p>The generators at the hospital are to be run under load weekly and shall be load bank tested every 3 years. The generators at other buildings are run tested without load monthly. All generators are load tested annually. All tests are recorded and submitted to the Hospital Facilities Department. The form for generator reporting shall be approved by the Facilities Department at the Hospital. All fuel tanks for diesel powered generators are to be kept at least 80% full. At no time shall a diesel powered generator be rendered inoperative due to lack of fuel.</p> <p>Emergency generators at the hospital shall be maintained and be ready to self-activate within seven seconds if normal power fails. At the hospital generators are required to respond as described 24 hours a day.</p> <p>During normal working hours, stand by generators at other facilities shall self-activate as designed. Other generators shall</p>	

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>be activated manually within five minutes of power failure or as requested by a designated Hospital representative.</p> <p>In addition, the duty crew will ensure that generators start up and provide proper voltage in a continuous manner when required. The duty crew shall monitor throughout operations to assure uninterrupted service, including total responsibility for refueling, including the procurement of fuel. Fuel purchased shall comply with local military installation's directives. Upon restoration of normal power, ensure that generator is shut down and reset for automatic operation.</p>	
3.2.6	Isolation Rooms, Operating Rooms, designated critical ventilation areas, and Clean Rooms	The Contractor shall perform PM on isolation rooms, Operating Rooms, critical ventilation areas, and clean room HVAC equipment to ensure proper operation, to minimize breakdowns, to maximize useful life, and provide certification (where required).	<p>The Isolation Room, Operating Room, designated critical ventilation areas, and Clean Room systems descriptions are provided in J-1502000-11 BUMED.</p> <p>The Contractor's PM program shall contain provisions to maintain isolation rooms &amp; clean rooms as identified herein. All isolation rooms are provided a test and balance of air flow on a semi-annual basis. All alarms and indicators are calibrated on a semiannual basis. The Contractor shall provide an inspection report of the test, balance of airflow and alarm and indicator calibration to the designated Hospital representative within 10 days of completion of semiannual requirements.</p> <p>All clean rooms shall be recertified to the proper classification on a semi-annual basis. The Contractor shall provide a recertification report within 10 days of completion.</p>	<p>Isolation rooms are maintained as specified.</p> <p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			The Contractor shall notify the designated Hospital representative within 2 hours of any uncorrected airflow or monitoring deficiency.	
3.2.7	Food Service Equipment	The Contractor shall perform PM on food service equipment to ensure proper operation, to minimize breakdowns, and to maximize useful life.	<p>The food service equipment descriptions are provided in J-1502000-12 BUMED.</p> <p>The Contractor’s PM program shall be developed based on manufacturers’ recommended procedures, OEM standards, and UFC 3-190-07N, Operation and Maintenance: Food Service Equipment.</p> <p>Maintenance shall not disrupt food service operations and shall be coordinated with the facility manager.</p> <p>The Contractor shall comply with the health, safety, and environmental requirements of Section 2 of UFC 3-190-07N, Operation and Maintenance: Food Service Equipment.</p> <p>The Contractor shall perform semi-annual and annual PM on Electric Water Coolers listed in J-1502000-12 BUMED. Semi-annual PM shall include vacuuming coils and internal components, clean drains, clean strainers, check for proper operation, clean all exterior surfaces and all other requirements from the OEM operation and maintenance instructions. Annual PM shall require installing a new water filter.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p>
3.2.7.1	Ice Machines	The Contractor shall perform PM on ice machines to ensure proper operation, to minimize breakdowns, and to maximize useful life and Clean and	<p>The ice machine descriptions are provided in J-1502000-12 BUMED.</p> <p>The Contractor shall perform monthly PM on Ice Machines no later than the 30<sup>th</sup> (28<sup>th</sup> Feb) of each calendar month. PM shall include empty and disinfect ice</p>	Completed PM Report delivered to Facilities no later than last day of each calendar month.

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		Sterilize ice machines utilized for human consumption.	bin, disinfect water supply plumbing, clean liquid water dispenser, clean exterior surfaces, and vacuum coils.	
3.2.8	Fire Protection Systems	The Contractor shall perform PM for all fire protection systems, fire alarm systems, fire hydrants, and fire pumps to ensure safe, reliable, uninterrupted fire protection service.	<p>The fire protection systems descriptions are provided in J-1502000-13 BUMED.</p> <p>Preventive Maintenance shall adhere to established guidelines in NFPA.</p> <p>Repairs shall meet all OEM requirements and NFPA codes and standards.</p> <p>The fire alarm and protection systems listed have components, software, programming and access codes that are proprietary in nature. All reports of maintenance on fire alarm and protection systems in the facilities listed within this annex shall be delivered on the form provided by the government in Section F.</p> <p>If a needed repair is identified during the course of PM, notify the COR immediately with details of the needed repair.</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>Work is accomplished per Spec Item 2.3, Workmanship and Material Standards.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>
3.2.9	Lightning Arrestors and Grounding Devices	The Contractor shall perform maintenance in accordance with applicable directives on	<p>The lightning arrestors and grounding device systems descriptions are provided in J-1502000-14 BUMED.</p> <p>The Contractor shall maintain</p>	Maintenance is performed in accordance with Contractor's PM program and work schedule.

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		lightning arrestors and grounding devices to ensure proper operation, to minimize breakdowns, and to maximize useful life.	lightning arrestors and grounding devices in accordance with MIL-HDBK-419, Grounding, Bonding, and Shielding for Electronic Equipment and Facilities, MIL-STD-188-124B, Grounding, Bonding, and Shielding for Common Long Haul/Tactical Communication Systems Including Ground Based Communications-Electronics Facilities and Equipment, and MIL-HDBK-274 (AS), Electrical Grounding for Aircraft Safety, for applicable systems and components.	Repairs within the PM limit are accomplished prior to PM completion.  Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.
3.2.10	Vertical Transportation Equipment (VTE)	The Contractor shall perform maintenance on VTE to ensure safe, reliable operation.	<p>The VTE systems descriptions are provided in J-1502000-15 BUMED.</p> <p>The Contractor shall maintain VTE in accordance with manufacturers' recommended procedures, OEM standards, and NAVFAC MO-118, Inspection of Vertical Transportation Equipment.</p> <p>For certification that is required per ASME A17.1 due to work performed as part of the PM program, refer to the Spec Item 3.3.4 for Inspection, Testing, and Certification of VTE.</p> <p>Vertical Transportation Equipment systems commence at all utilities' isolation points of connection, and terminate at the point of delivery inside or outside the structure. The system shall provide vertical transportation as intended, and shall encompass all associated equipment (components) such as electric breakers, control panels, valves, wiring, pumps, tanks, switches, controls, cable and hydraulic components, electric motors and controls, all equipment and components inside or on the car or shaft.</p>	<p>Maintenance is performed in accordance with Contractor's PM program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The Contractor shall notify the facility occupants prior to performing any type of work on VTE. Planned maintenance and certification activities that reduce building 2080 elevator capacity by two or more elevators shall be performed outside hospital normal working hours.</p>	<p>or danger to personnel.</p>
3.2.11	General Equipment	<p>The Contractor shall provide PM services for all General Equipment at frequencies required by equipment manufacturer or as listed herein.</p>	<p>The General Equipment description is provided in J-1502000-16 BUMED.</p> <p>The Contractor's PM program shall be developed based on manufacturers' recommended procedures and OEM standards for plumbing fixtures, mercury recovery units, pumps, heat exchangers, heaters, water softeners, mixing valves, electrical panels, freezers, automatic doors, fire doors, fire dampers, UPS systems.</p> <p>Water softener brine tanks are replenished monthly or more frequently as needed. Entire unit is PM'ed annually to include verification of all controls and functions.</p> <p>HW Mixing Valve Stations are PM'ed annually to include cleaning filters/strainers, calibrate all sensors, record electronic data on permanent media.</p> <p>Automatic Doors shall be PM'ed quarterly.</p> <p>Fire Doors in the Hospital shall be PM'ed semi-annually based on Owner provided fire zone schedule spreadsheet.</p> <p>Fire Barrier integrity of walls, ceilings &amp; floors shall be inspected annually based on Owner provided fire zone</p>	<p>PM is accomplished per the Contractor's program and work schedule.</p> <p>Repairs within the PM limit are accomplished prior to PM completion.</p> <p>Notification of repair work exceeding the PM limit is submitted to the KO within the specified time limit.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>Work is accomplished per Spec Item 2.3, Workmanship and Material Standards.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>schedule spreadsheet.</p> <p>Fire Dampers shall be inspected &amp; certified operational quad annually based on Owner provided inspection schedule spreadsheet.</p>	<p>personnel.</p>
3.2.12	Roof Inspection and Cleaning	The Contractor shall provide inspection and cleaning services to ensure roofs are clear of debris and dirt.	Roofs are identified in J-1502000-17 BUMED, Roof Inspection and Cleaning shall be PM'ed quarterly to identify any needed roof repairs and clear all debris and dirt from roof areas and all roof drain points of entry. Replace missing or damaged roof drain grilles/caps.	PM is accomplished per the Contractor's program and work schedule. Facility Maintenance Manager shall be informed of roof repairs exceeding Limits of Liability within 10 days after PM is completed.
3.2.13	House Vacuum Wet and Dry Collection Tanks	The Contractor shall provide inspection and cleaning services to ensure house vacuum wet and dry tanks are clear of debris and dirt.	<p>House Vacuum Wet and Dry Collection Tanks descriptions are provided in J-1502000- 18 BUMED.</p> <p>House Vacuum Wet and Dry Collection Tanks and all connected piping shall be cleared of all debris and dirt on a weekly PM. Ensure all mechanical and electrical devices are functioning as designed. Debris shall be bagged and placed in contractors dumpster.</p>	PM is accomplished per the Contractor's program and work schedule.
3.3	Inspection, Testing, and Certification Program	The Contractor shall provide inspection, testing, and certification services to ensure they are safe, fully functional, and operational.	<p>The Contractor shall develop an inspection, testing, and certification program</p> <p>The Contractor shall submit an inspection, testing, and certification program summary report per Section F.</p> <p>The Contractor shall submit an inspection, testing and certification schedule and a copy of all the equipment certifications per Section F.</p>	<p>All certifications are current.</p> <p>Testing, inspection, and certification services performed and completed in accordance with the inspection, testing, and certification program and schedule.</p> <p>Testing, inspection, and certification services performed in accordance with</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
				applicable references.
3.3.1	Boilers and UPVs	The Contractor shall clean, prepare, and operate boilers and UPVs to support certification.	<p>Boiler and UPVs are provided in J-1502000-07 - BUMED.</p> <p>HVAC Systems dedicated boilers are provided in J-1502000-05 - BUMED.</p> <p>The Contractor shall prepare boilers and UPV for inspection per the National Board of Boiler and Pressure Vessel Inspectors Code, UFC 3-410-06, UFC 3-430-07, and Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels. Boiler inspection safety certificates shall be void immediately on the discovery of a safety deficiency regardless of the expiration date on the certificate. The certificate will again be valid only after the deficiency has been corrected by the Contractor and the boiler has been re-certified.</p> <p>The Contractor shall refrain from operating a boiler and/or UPV without a valid NAVFAC inspection certificate.</p> <p>The Contractor shall perform all certification testing in the presence of the Government Certified Boiler Inspector. The Contractor shall provide a 30 calendar day advance notification to the KO when boilers and UPVs will be ready for testing and certification for coordination with the Government provided inspector. The Contractor shall notify the Government when equipment is ready for testing and certification.</p> <p>The Contractor shall assist the Certified Boiler Inspector in performing the testing for certification.</p>	<p>Testing, inspection, and certification of boilers and UPVs performed and completed in accordance with the Inspection, Testing, and Certification Program and Schedule.</p> <p>Boilers and UPVs promptly returned to service upon issuance of certification.</p> <p>Notification of repair work necessary to maintain certification is reported to the KO and COR within one hour of identification.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>A current and valid certificate, or authorized commercial equivalent, shall be posted on, or near, the equipment, under a clear protective covering as specified in Chapter 9 of UFC 3-430-07, Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels.</p> <p>Repairs identified during preparation for and conduct of inspection, testing, and certification shall be accomplished as a service call or Non-recurring work, as applicable.</p>	
3.3.2	Backflow Prevention Devices	The Contractor shall prepare, inspect, and test backflow prevention devices to ensure they are safe, fully functional, and operational.	<p>The description of backflow prevention devices and date of last inspection and testing are provided in J-1502000-19 BUMED.</p> <p>The Contractor shall comply with inspection, testing, and certification requirements of the applicable regulatory agency and UFC-3-230-02, Operation and Maintenance: Water Supply Systems, UG-2029-ENV, Cross-Connection Control and Backflow Prevention Program Implementation at Navy Shore Facilities and OPNAVINST 5090.1, Environmental and Natural Resources Program Manual.</p> <p>The Contractor personnel responsible for certifying backflow prevention devices shall possess a current state license from Georgia or Florida, as applicable to the site of the work.</p> <p>Repairs over the limit of liability identified during preparation for and conduct of inspection, testing, and certification shall be accomplished as a service call or</p>	<p>Testing, inspection, and certification of backflow prevention devices performed and completed in accordance with the inspection, testing, and certification program and schedule.</p> <p>Notification of repair work necessary to maintain certification is reported to the KO and COR within one hour of identification.</p> <p>Backflow prevention devices are certified in accordance with UFC-3-230-02, UG-2029-ENV, and OPNAVINST 5090.1.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>non-recurring work, as applicable.</p> <p>The Contractor shall provide 30 calendar days advance notification to the KO when backflow prevention devices are ready for testing and certification for coordination with the Government provided inspector.</p> <p>Annually, the Contractor shall provide the result of inspection, testing, and certification to the designated Hospital facilities representative within 10 days of completion of requirements.</p>	
3.3.3	Vertical Transportation Equipment (VTE)	The Contractor shall prepare, inspect, test, and operate VTE systems to support Government certification.	<p>The VTE systems description and date of last inspection and testing are provided in J-1502000-15 BUMED.</p> <p>Maintenance and repair shall comply with the inspection and testing criteria defined in ASME A17.1.</p> <p>The Contractor shall perform all inspections and tests for certification in the presence of a Government provided inspector.</p> <p>The Contractor shall provide 30 calendar days advance notification to the KO when VTE is ready for testing and certification for coordination with the Government provided inspector.</p> <p>As specified in paragraph 1.2.2 of NAVFAC MO-118, Inspection of Vertical Transportation Equipment, all vertical transportation equipment shall have a valid current certificate posted in the car.</p> <p>The Contractor shall submit the Inspection and Test Report for Vertical Transportation Equipment (VTE) per Section F.</p>	<p>Notification of repair work necessary to maintain certification is reported to the Government within one hour of identification.</p> <p>Inspection, testing, and certification of VTE performed and completed in accordance with the inspection, testing, and certification program and schedule.</p> <p>VTE inspected, tested, and certified in accordance with NAVFAC MO-118.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3.4	Other Recurring Services Program	The Contractor shall develop and implement an other recurring services program for facilities, systems, equipment and other assets to ensure proper operation, to minimize breakdowns, and to maximize useful life.	The Contractor shall submit an Other Recurring Services Program Summary Report per Section F.	Other recurring services are accomplished in accordance with the Contractor's program and work schedule.  Services are performed in accordance with manufacturers' recommended procedures and OEM standards.
3.4.1	Interior and Exterior Lighting Systems	The Contractor shall develop and implement a program to inspect, relamp, and make all necessary repairs to interior and exterior lighting systems to ensure trouble-free lighting.	<p>The Interior and exterior lighting systems description, including task workstations, and locations is provided in J-1502000-20 BUMED.</p> <p>The Contractor shall submit a program to inspect, relamp, and make all necessary repairs to interior and exterior lighting systems to the KO to validate completeness.</p> <p>Except as otherwise specified in UFC 4-510-01, all T8 fluorescent lamps shall be 4100 Kelvin, contain no more than 1.7mg of mercury, 48 inch T8 fluorescent lamps shall be 25 watt, and 24 inch T8 fluorescent lamps shall be 13 watt. Areas otherwise specified include, but are not limited to, operating rooms, waiting areas, dental treatment rooms, patient bedrooms, dental laboratories, exam rooms, laboratories, morgues, labor and delivery patient rooms, medication rooms, nuclear medicine clinical rooms, nurse stations, nurseries, cast rooms, treatment and testing rooms, recovery rooms, veterinary treatment and surgery rooms, and medical imaging rooms. In areas provided with LED lighting relamping shall be with LED lighting of similar</p>	<p>The Contractor's interior and exterior lighting systems program is submitted within 30 days following award.</p> <p>Relamping completed as scheduled or as required.</p> <p>Interior and exterior lighting systems are maintained per Contractor's program and schedule.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>characteristics (output, CRI, appearance, etc.).</p> <p>Re-lamping shall include cleaning.</p> <p>Relamping shall be completed as needed for inoperative or inadequate lighting. Inadequate includes conditions such as visible differences in illumination level or color temperature when compared to adjacent fixtures. When relamping a fixture to the requirements of UFC 4-510-01 creates an inadequate lighting condition all fixtures in that room or functional area shall be re-lamped to the correct criteria. If an interior light fixture becomes inoperative at any time the Contractor shall repair / restore the light fixture to operation completing any repair needed for restoration upon notification from the Government. If exterior lighting becomes inoperative out of schedule, the Government, at its discretion may issue an emergency, urgent, or routine Service Order to accomplish the repair. If any light fixture becomes inoperative within 30 days after a scheduled relamping, the light fixture shall be restored to operation at no additional cost to the government. All relamping work, whether scheduled or requested by the government shall be completed within 24 hours of schedule or notification.</p>	
3.4.2	Grease Traps and Plaster Traps	The Contractor shall clean designated grease traps/plaster traps and remove and dispose of grease to ensure they function properly.	<p>The grease trap/plaster trap systems descriptions are provided in J-1502000-21 BUMED.</p> <p>The Contractor shall submit a schedule for cleaning and sanitizing designated grease traps within 30 days following</p>	<p>Grease traps/plaster traps are cleaned in accordance with Contractor's work schedule.</p> <p>Grease traps are clean and free of grease on baffles,</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>award to the KO to validate completeness.</p> <p>The Contractor shall dispose of grease in accordance with environmentally approved procedures. The Contractor shall not spill any grease or plaster during removal and shall abide by the local installation SPCC plan.</p> <p>The Contractor shall empty plaster traps weekly and dispose of plaster in normal refuse stream.</p> <p>Informational Notes: Historical cleaning frequencies for plaster traps have been approximately 3 traps emptied weekly with 10 pounds per trap.</p>	<p>perforated surfaces, and all other removable parts and function to meet the intended purpose.</p> <p>Plaster traps are clean and free of plaster and function to meet the intended purpose.</p>
3.4.3	Exhaust Fans, Exhaust Hoods and Ducts	The Contractor shall service designated exhaust fans, exhaust hoods and ducts and associated equipment to ensure they are clean and sanitary.	<p>The exhaust fan, exhaust hood and duct systems descriptions are provided in J-1502000-22 BUMED.</p> <p>Work shall include cleaning the hoods, plenums, fans, fan housing, grease removal devices, weatherproof covers and the full length of ventilating ducts on a semi-annual PM schedule.</p> <p>The Contractor shall submit a schedule to PM exhaust fans and to clean designated exhaust hoods and ducts and associated equipment within 30 days following award to the KO to validate completeness.</p> <p>The Contractor shall comply with the requirements of the National Board of Fire and Underwriters and the current standards of the National Fire Protection Association, NFPA Standard 96, Chapter 8, 8-3 through 8-4.</p>	<p>Exhaust hoods and ducts and associated equipment are cleaned and sanitized in accordance with Contractor's work schedule.</p> <p>The Contractor's Exhaust Hoods and Ducts program is submitted within 30 days following award.</p>
3.4.4	Visual and Audible Check on HVAC	The Contractor shall develop and implement a	The Contractor shall perform visual and audible checks on HVAC Systems.	The Contractor's Visual and Audible Check program is

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	Systems	program to do visual and audible checks on HVAC systems to ensure systems function properly.	<p>The purpose of the check is to verify system condition by visual and audible means, i.e., confirm that the UV lamps are operative, listen for unusual valve noise, motors &amp; belts turning straight and true, condensate free flowing, etc. At each check, the technician shall initial a log book at the device thereby signifying by initial and date that the check was performed.</p> <p>Units with a cooling capacity of 5 tons up to 49 tons are to be checked on a weekly basis. Units with a cooling capacity of 50 tons and larger are to be checked on a daily basis.</p> <p>Guidelines for operation are found in manufacturer's recommendations, the Unified Facilities Guide Specifications (UFGS), National Fire Protection Association (NFPA) for Health Care Facilities, Center for Disease Control, Air Quality Requirements, 29 CFR, and current American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) standards.</p> <p>All incidents of inoperative systems, equipment or components shall be reported within one hour of discovery.</p>	<p>submitted within 30 days following award.</p> <p>Visual and Audible Check on HVAC systems are maintained per Contractor's program and schedule.</p> <p>Reports are submitted as required.</p>
3.4.5	Electrical Receptacles	The Contractor shall develop and implement a program to inspect and make all necessary repairs to electrical receptacles to ensure they function properly.	<p>The Contractor shall test electrical receptacles in building 2080 ICU and emergency room areas for correct tension per NFPA, TJC, and manufacturer instructions annually.</p> <p>The Contractor shall replace all receptacles that do not meet test requirements.</p> <p>The Contractor shall provide written report on deficiencies</p>	<p>The Contractor's Electrical Receptacles program is submitted within 30 days following award.</p> <p>Electrical receptacles are maintained per Contractor's program and</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>found to COR within 3 days of inspection.</p> <p>Historically, there have been 280 outlets serviced annually.</p> <p>Electrical Receptacles in laboratory spaces: Test electrical receptacles for polarity and grounding integrity at all fixed receptacles in building 2080 lab spaces annually Tests to be performed per the College of American Pathologists Laboratory General Inspection checklist 1996. Only 50 percent of outlets can be tested per day.</p> <p>The Contractor shall repair or replace all receptacles that do not meet test requirements.</p> <p>The Contractor shall provide written report on deficiencies found and corrections made to COR within 3 days of inspection.</p>	<p>schedule.</p> <p>Reports are submitted as required.</p>
3.4.6	Medical Gas Systems	The Contractor shall develop and implement a program to inspect and make all necessary repairs to all medical gas systems to ensure they function properly.	<p>The Contractor shall repair and retest piping or outlets that indicates a leak per NFPA 99, TJC, and manufacturer instructions, test medical gas outlets and exposed piping for absence of gas leaks annually.</p> <p>There are three gas systems in building 2080: One system has 350 Oxygen outlets, One system has 36 Nitrous Oxide outlets, and One system has 150 medical air outlets).</p>	<p>The Contractor’s Medical Gas Systems program is submitted within 30 days following award.</p> <p>Medical Gas systems are maintained per Contractor’s program and schedule.</p>
3.4.7	Electrical Transformers, Breakers and Switches	The Contractor shall develop and implement a program to inspect, test, calibrate, and maintain all electrical transformers and switches to ensure they function properly.	The Contractor shall perform preventative maintenance, inspection, testing, and calibration on electrical transformers, breakers and switches in Building 2080 per TJC and manufacturer instructions annually. Utility outages shall be scheduled after normal business hours at times of least impact to patient care.	<p>The Contractor’s Electrical Transformers and Switches program is submitted within 30 days following award.</p> <p>Electrical transformers and switches are</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The electrical transformers, breakers and switch descriptions are provided in J-1502000-23 BUMED.</p> <p>Testing and calibration shall be performed by and an NETA certified organization and NETA certified technicians.</p> <p>The Contractor shall provide written report on deficiencies found and corrections made to COR within 3 days of inspection.</p> <p>Historically, there have been 76 switches serviced annually.</p>	<p>maintained per Contractor's program and schedule.</p> <p>Electrical switch meet calibration requirements.</p> <p>Reports are submitted as required.</p>
3.4.8	PA System	The Contractor shall develop and implement a program to inspect and maintain PA system to ensure they function properly.	<p>The Contractor shall submit a program to inspect, maintain, and make all necessary repairs to PA System.</p> <p>The technician shall observe the operation of each amplifier within the system and verify its operation. Amplifier rack shall be cleaned to keep free of dust. In conjunction with the Hospital Quarter Deck Personnel, the technician shall go to each volume control location and verify the operation of the device. Each volume control shall be exercised throughout its range. This service shall be provided Quarterly.</p> <p>The technician shall make a written report of each inspection; any deficiencies found shall be annotated therein. The report shall at a minimum contain the date of inspection, current status (operable or inoperable), the control device number, the location, any comments from the occupants of the zone, and any deficiencies found. The report shall be then delivered to the maintenance manager at the Navy Hospital within twenty-four hours.</p>	<p>The Contractor's PA System program is submitted within 30 days following award.</p> <p>PA system is maintained per Contractor's program and schedule.</p> <p>Reports are submitted as required.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The system is comprised of four (4) amplifiers, located in room 2106, the second deck conference room. Three (3) of which are on line at any one time, the fourth is serving as a back-up. The principle microphone is located at the quarterdeck of the hospital. There are 37 volume controllers positioned throughout the hospital.</p>	
3.4.9	Quarterly Crawlspace Inspections	The Contractor shall perform quarterly inspections of crawlspaces to ensure areas are free of debris and systems function properly.	<p>The Contractor shall perform inspection of entire crawlspace in building 2080. The Contractor shall inspect all electrical; sanitary waste piping, steam lines, storm water; and all other plumbing including the French drain system and provide inspection results to the Facilities Department at the Naval Hospital.</p> <p>The Contractor shall inspect, relamp, and make all necessary repairs to the crawlspace lighting systems to ensure trouble-free lighting.</p> <p>The Contractor shall designate a time for the removal and disposal of debris found in the crawlspace not to exceed two hours per occurrence.</p> <p>The Crawlspace is approximately 88,294 square feet.</p>	<p>Quarterly inspections are completed per Contractor's schedule.</p> <p>Inspections results are reported within one week following completion of inspection.</p> <p>Debris is removed and properly disposed of as required.</p>
3.4.10	Duty Crew	The Contractor shall provide a Duty Crew to ensure all demand requirements are efficiently and safely met, 24 hours per day, seven days per week.	<p>Duty Crew services consist of level of effort type work. Spec Item 3.1 Service Orders and Non-recurring Work will not be issued for level of effort work accomplished by the Duty Crew.</p> <p>A no cost recurring work order may be issued to order Duty Crew level of effort type work. All jobs performed by the Duty Crew shall have no additional labor cost associated with the</p>	<p>Work is accomplished per Spec Item 2.3.5, Workmanship and Material Standards.</p> <p>Requirements are responded to within the specified times.</p> <p>Facility related emergencies are</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>work performed.</p> <p>As a minimum, the Contractor will provide the following Duty Crew staffing in support of the hospital requirements:</p> <ul style="list-style-type: none"> <li>• One Electrician 24 hours per day from 00:00-24:00 hours, seven days per week.</li> <li>• One HVAC&amp;R Technician 16 hours per day from 07:30 – 23:30 hours, five days per week, Monday through Friday, including observed Federal holidays.</li> <li>• One HVAC&amp;R Technician 8 hours per day from 07:30 – 16:00 hours, two days per week, Saturday through Sunday, including observed Federal holidays.</li> <li>• One HVAC PM Technician 24 hours per day from 00:00 – 24:00 hours, seven days per week.</li> <li>• One Plumber 8 hours per day from 16:00 – 24:00 hours five days per week, Monday through Friday, including observed Federal holidays.</li> <li>• Two Work Receptionist – DMLSS Direct Entry 8 hours per day from 07:30 – 16:00 hours, five days per week, Monday through Friday, excluding observed Federal holidays</li> </ul> <p>The Duty Crew shall respond to facility related problems affecting patient care and issues deemed urgent or emergency by the hospital staff within five minutes of notification.</p> <p>The Duty Crew staffing shall carry and respond to requirements via telephone, service desk and pagers provided by the Contractor for emergency response. The normal call-in procedures will be utilized after</p>	<p>arrested until other maintenance personnel can be contacted to perform permanent repairs.</p>

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>normal working hours.</p> <p>Duty Crew personnel assigned to provide Hospital Operational Support services shall have no other duties other than those specified for BUMED requirements.</p> <p>The Duty Crew staffing shall make rounds on various utility and equipment systems in the buildings identified in J-1502000-03. These utility and/or equipment systems includes all mechanically and electrically interlocked ancillary parts, equipment, and components, such as: switches, breakers, fuses, disconnects, generators, pressure vessel, heat exchangers, tanks, meters, pumps, piping, valves, monitoring and controls systems, initiating devices, receivers, detectors, sensors, meters, batteries, notification appliances, voice communication devices, antennas, backflow prevention devices, valves, sprinkler heads, nozzles, connections, pumps, piping, air compressors, gauges, electric motors, compressors, condensers, evaporators, filters, driers, strainers, chillers, ducts, registers, intakes, returns, distribution systems, piping, valves, insulation, refrigeration boxes, monitoring and control systems, air dryers, vacuum pumps, potable water heaters, food service and preparation equipment, scullery water heater, drinking water chiller, air handling units, etc.</p>	

Section C – 1502000  
Facility Investment - BUMED

<b>1502000 – Facility Investment - BUMED</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to the Non-recurring Work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for Non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1503040  
Other (Training Pools)

<b>1503040 Other (Training Pools)</b>	
<b>Spec Item</b>	<b>Description</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certifications and Training
2.3	Special Requirements
2.4	References and Technical Documents
3	Recurring Work
3.1	Pool Operator Maintenance
3.1.1	Water Treatment
3.1.1.1	Record Chlorine and pH Levels
3.1.2	Seasonal Start-up
3.1.3	Seasonal Shutdown
3.1.4	Off-Season Maintenance
3.2	Operations
3.2.1	Vacuum Pools
3.2.2	Back Flush
3.3	Integrated Maintenance Program (IMP)
3.3.1	Pool Systems
4	Non-recurring Work

Section C – 1503040  
Other (Training Pools)

<b>1503040 - Other (Training Pools)</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall operate and maintain training pools located at Naval Air Station Jacksonville, Florida and outlying areas supported by this commands.
1.1	Concept of Operations	The “Other” sub-function consists of activities that provide other Facility Support-related services not otherwise defined under the Facility Services function. This sub-annex includes the requirements for pool maintenance and operations of pools <del>not otherwise funded through MWR.</del>

Section C – 1503040  
Other (Training Pools)

<b>1503040 - Other (Training Pools)</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1503040-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently provide training pool maintenance and operations services.
2.2.1	Certifications, Training and Licensing	<p>Within 30 days after contract award the Contractor shall provide current, valid certificate or registration under Florida Statutes Chapter 489 Part II for commercial pool/spa.</p> <p>Personnel shall receive bloodborne pathogen training and be enrolled in the local bloodborne pathogen program as appropriate.</p> <p>Hazard communication training and appropriate storage practices for pool chemical shall be provided in accordance with 29 CFR part 1910.1200 and OPNAVINST 5100.23, Navy Occupational Safety and Health Manual.</p> <p>Personnel who service a pool by maintaining the cleanliness, water quality and chemical balance of pools shall be certified by the Florida Department of Health. Certification requirements include attendance to a training course approved by the Florida Department of Health of at least 16 hours in length and shall pass a test acceptable to the department.</p> <p>The Contractor shall submit proof of all certification and training requirements per Section F.</p>
2.3	Special Requirements	Safety requirements, operational restrictions, coordination requirements, workmanship, materials, equipment, and tools.
2.4	References and Technical Documents	References and Technical Documents are listed in J-1503040-02.

Section C – 1503040  
Other (Training Pools)

<b>1503040 – Other (Training Pools)</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall perform other services pool operator maintenance and operations to ensure proper maintenance and operation during the year.	Swimming Pool descriptions provided in J-1503040-03.  The Contractor shall perform work per applicable regulations including NAVMED P-5010-4, local and state environmental requirements, Navy safety requirements, FAC 64E-9 UFC 3-230-02 and FDEP Storm water Best Management Practices. Monitor entire system to ensure proper operation at all times. Make adjustments, repairs, and replacements as necessary.  Provide water sampling, analysis and chemical treatment in accordance FAC 64E-9 and NAVMED P-5010-4.	Condition of pools and operations meet requirements for both operational and non-operational periods to ensure proper swimming pool operation during the year.
3.1	Pool Operator Maintenance	The Contractor shall maintain and operate assigned facilities and equipment to ensure proper condition and operation.	The Contractor shall perform pool operator maintenance services outside pool operating hours so as not to interfere with scheduled use of the facilities.	Pool facilities and equipment are in proper condition and operation.  All repair work is accurately identified and reported for timely accomplishment.
3.1.1	Water Treatment	The Contractor shall maintain and treat pool water and accomplish bacteriological and chemical analyses to ensure water quality is at an acceptable level.	The Contractor shall maintain swimming pool water quality per standards specified FAC 64E-9 and NAVMED P-5010-4The Contractor shall conduct and document water quality tests and submit water analysis reports per Section F.  Should a human fecal accident occur, the pool operator shall comply with all recommendation found in the Center for Disease Control and Prevention “Fecal accident response recommendations for Aquatics Staff”	Water quality is continuously maintained during periods of pool operation.
3.1.1.1	Record Chlorine and pH Levels	The Contractor shall establish a log and record chlorine and pH levels to ensure proper chemical levels are	The Contractor shall establish a log, test and record chlorine and pH levels every two hours of operation. Adjust treatment as needed. The Contractor shall provide water sampling, analysis	Chlorine and pH levels are within limits and no regulatory violations.

Section C – 1503040  
Other (Training Pools)

		maintained.	and chemical treatment in accordance with FAC 64E-9 and NAVMED P-5010-4.	Submit monthly records per Section F.
3.1.2	Seasonal Start-up	The Contractor shall develop and implement seasonal start-up procedures to prepare outdoor pool and facilities for operation at the start of the pool season to ensure systems are prepared at the start of each season.	The KO will provide the scheduled opening date.	Pool and facilities are properly prepared and pools opened on schedule.
3.1.3	Seasonal Shutdown	The Contractor shall develop and implement seasonal shut-down procedures to prepare pool and facilities for closure at the end of the season to ensure systems are deactivated and preserved at the end of each season.	The KO will provide the scheduled closing date.	Pool and facilities are properly prepared and pools closed on schedule.
3.1.4	Off-Season Maintenance	The Contractor shall develop and implement off-season maintenance requirements to ensure the preservation of the pool and facilities.	The KO will provide the scheduled off-season dates.	Pool and facilities are properly secured and maintained to withstand off-season weather conditions without deterioration.
3.2	Operations	The Contractor shall safely operate pools for authorized pool users to ensure optimum operation of pool.		Pools are clean and safe.
3.2.1	Vacuum Pools	The Contractor shall vacuum pools daily to ensure pools are maintained in clean condition.	The Contractor shall vacuum pools daily during non-operating hours. Maintain pool and scum gutter cleanliness.	Pools are maintained in clean condition.
3.2.2	Back Flush	The Contractor shall back flush filters systems to ensure filters are functioning to optimum	The Contractor shall back flush filters two hours twice a week when pool is in operation. The Contractor shall maintain water level and water tightness.	Filters are back flushed as scheduled and operating as designed.

Section C – 1503040  
Other (Training Pools)

3.3	Integrated Maintenance Program (IMP)	<p>capability.</p> <p>The Contractor shall develop and implement an IMP program for facilities, systems, ground structures and other assets to ensure they are safe, fully functional, minimize breakdowns and to maximize useful life.</p>	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor’s approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor is fully responsible for any individual occurrence of repair, including replacement up to the IMP limit of liability of \$5,000 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the IMP limits of liability.</p> <p>The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed above. If the estimated cost of the repair exceeds the IMP liability limit, the Government may order the work under the non-recurring work section of this contract; however, the Government will only be liable for the amount of cost exceeding the IMP limit of liability.</p> <p>Example: If an individual occurrence of repair requires \$5,100 in direct labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct labor and/or direct material cost that exceeds the IMP limit of liability.</p>	<p>Maintenance is performed in accordance with Contractor’s IMP and work schedule.</p> <p>When a problem or a need for repair is identified during normal working hours, the Contractor shall respond within 30 minutes and complete the repair within 48 hours.</p> <p>When a problem or a need for repair is identified outside normal working hours, the Contractor shall respond within two hours and complete the repair within 48 hours.</p> <p>Facilities, systems, ground structures and other assets are in normal working condition and function properly in accordance with OEM specifications, including recertification if applicable.</p> <p>When PM is complete the facility, system, ground structure or other asset is fully functional and does not present danger to personnel or equipment.</p> <p>Equipment tag is legible and updated after completion of each PM or work</p>
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Section C – 1503040  
Other (Training Pools)

			<p>The Contractor shall not use breakdown maintenance as part of the IMP program.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the Contractor's work reception.</p> <p>Notification for accomplishment of repair of equipment and systems maintained under IMP is not a service order under Sub-annex 1502000 Spec Item 3.1.</p> <p>As part of the IMP program, the Contractor shall perform equipment condition assessments to support the Infrastructure Condition Assessment Program (ICAP).</p> <p>The Contractor shall assess and document equipment condition annually. Depending on the type of equipment, as related by Uniformat Classification, the Contractor must assess the condition of one to 12 meters. The description of meter groups for each Uniformat Classification is listed in Sub-annex 1502000 Facility Investment J-1502000-05. The general direct condition rating guidance is shown in Sub-annex 1502000 Facility Investment J-1502000-06 and condition rating guidance specific to each meter group is provided in Sub-annex 1502000 Facility Investment J-1502000-07.</p> <p>Direct condition ratings shall be reported as specified in the Computerized Maintenance</p>	<p>order.</p> <p>Notification of repair work exceeding the IMP limit of liability is submitted to the KO within the specified time.</p> <p>ICAP assessments and documentation are completed annually and recorded in CMMS.</p> <p>Freeze protection is accomplished per the Contractor's program and schedule.</p> <p>IMP systems are protected from freezing and no damage occurs from freezing</p> <p>Mechanical rooms are clean and maintained.</p> <p>.</p>
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Section C – 1503040  
Other (Training Pools)

			<p>Management Systems (CMMS) Spec Item in Annex 0200000.</p> <p>The Contractor shall maintain mechanical rooms that house IMP equipment in a clean and safe condition including re-lamping.</p> <p>The Contractor shall submit a monthly IMP schedule and IMP maintenance and repair status report per Section F.</p>	
3.3.1	Pool Systems	<p>The Contractor shall develop and implement an IMP program for Pool Systems to ensure proper operation, to minimize breakdowns and to maximize useful life.</p>	<p>The Pool Systems description is provided in J-1503040-07.</p> <p>The Contractor shall develop and implement an IMP to comply with sanitation and safety standards for public pools in FAC 64E-9, NAVMED P 501-4, Chapter 4, NAVFAC MO 210, MIL-HDBK 1164, and FDEP Stormwater Best Management Practices and OEM recommendations.</p> <p>The Contractor shall monitor water quality and pool filtration systems, pumping systems, lighting systems, chemicals levels, valves and piping systems to ensure proper operation at all times. Make adjustments, repairs and replacements as necessary to keep pools functioning.</p> <p>Within the first three months of contract start, the Contractor shall inspect recirculation and treatment systems for compliance to Florida codes. Label all valves associated to filter and pump equipment with laser engraved metal labels indicating purpose and normal operating position affixed by metal chain. Label pump and filter equipment with electrical panel and breaker number.</p>	<p>IMP is accomplished per Contractor's program and work schedule.</p> <p>Water quality and pool systems are maintained and repaired to sustain a fully functional and operable condition. Work is performed by certified personnel</p> <p>Pools are open during designated hours.</p> <p>No documented citations such as NOV, NON, warning letters or citizen suits due to Contractor's non-performance, mismanagement or negligence.</p>

Section C – 1503040  
Other (Training Pools)

<b>1503040 – Other (Training Pools)</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-Recurring Work	Non-Recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1601000  
Utilities Management

<b>1601000 – Utilities Management</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.2	Personnel
2.2.1	Certification and Training
2.3	Records and Reports
3	Recurring Work
3.1	Utility Infrastructure Condition Assessment (UICAP) Support
3.1.1	Asset Management
3.1.2	Condition Assessment
3.2	Meter Reading
3.3	Utility Locate Services
3.4	Utility Escort Services
4	Non-recurring Work

Section C – 1601000  
Utilities Management

<b>1601000 – Utilities Management</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to perform utility management services at Naval Air Station Jacksonville, Florida and Outlying Field Whitehouse Jacksonville, Florida.
1.1	Concept of Operations	The intent of 1601000 Utility Management is to specify the requirements for managing utility systems to include electrical, wastewater, steam, water and compressed air systems.

Section C – 1601000  
Utilities Management

<b>1601000 – Utilities Management</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are provided in J-1601000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to perform utility management services.
2.3	Records and Reports	Records and reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents within the required timeframes.

Section C – 1601000  
Utilities Management

<b>1601000 – Utilities Management</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall provide utility management services to ensure real property infrastructure supports the mission of the warfighter.	The Contractor shall be knowledgeable of and comply with installation utility management reporting and coordination requirements identified within applicable NAVFAC BMS processes located at: <a href="https://hub.navfac.navy.mil/webcenter/portal/bms/BMS+Home+Page?">https://hub.navfac.navy.mil/webcenter/portal/bms/BMS+Home+Page?</a>	Utility management services are performed as specified.  Utility management services are completed within the specified time.
3.1	Utility Infrastructure Condition Assessment Program (UICAP) Support	The Contractor shall provide UICAP support to ensure the program is properly documented and reported in a timely manner.	As part of the UICAP program, the Contractor shall maintain an accurate asset description and perform equipment condition assessments to support the Utility Infrastructure Condition Assessment Program (UICAP).  Utilities Assets are provided in: J-1601000-03 Electrical Utility Assets J-1601000-04 Wastewater Utility Assets J-1601000-05 Steam Utility Assets J-1601000-06 Water Utility Assets J-1601000-07 Compressed Air Utility Assets	Accurate asset description maintained.  Condition assessments Support is complete and accurate as specified.
3.1.1	Asset Management	The Contractor shall provide utility asset management services to ensure the utility asset descriptions are complete and accurate.	The Contractor shall maintain complete and accurate utilities asset descriptions to support UICAP.  The Contractor shall be responsible for utilities asset description updates including adding, deactivating, and updating utilities assets.  The Contractor shall notify the KO upon identification of utilities assets that are not included in the utility asset descriptions.  The Contractor shall ensure that utility assets are properly tagged.  Service Provider, Asset Information, Specification	Utility asset descriptions are accurate and updated as required.  KO notified of utility assets not included in the listing of asset descriptions submitted as required.  The asset description change report submitted per Section F.

Section C – 1601000  
Utilities Management

<b>1601000 – Utilities Management</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Information, and Characteristic Meter Reading Interfaces data shall be maintained using the fields in Annex 0200000 Spec Item 2.6.6 CMMS.</p> <p>Asset and Specification Updates are specified in the Annex 0200000 Spec Item 2.6.6 CMMS.</p> <p>Specification Attributes required for specifications are listed in J-1601000-02.</p> <p>The Contractor shall submit an Asset Description Change Report in spreadsheet format detailing the changes to the asset description per Section F.</p>	
3.1.2	Condition Assessment	The Contractor shall provide condition assessment services to ensure that utilities asset condition readings are complete and accurate.	<p>The Contractor shall assess and document the condition of the utility asset descriptions.</p> <p>Condition ratings shall be maintained using the Characteristic Meter Readings fields specified in Annex 0200000 Spec Item 2.6.6 CMMS.</p>	<p>Characteristic Meter Readings updated do not exceed 365 days.</p> <p>Characteristic Meter Reading data fields required in MAXIMO are complete and accurate.</p>
3.2	Meter Reading	The Contractor shall read and record data from electrical, water, and steam meters in a timely manner to ensure accurate information is available for proper utility billing.	<p>The Contractor shall read meters monthly to monitor and report consumption using Government provided recording system. Accurate meter readings shall be submitted to the KO or a designated Government representative within one day of the scheduled meter reading date.</p> <p>The Government will provide meter reading schedule post award. Meter reading schedule may be adjusted periodically at no additional cost to the Government.</p> <p>The Contractor shall re-read meter upon request and submit meter readings to the KO or a Government representative</p>	<p>Accurate meter readings are submitted within one day of meter reading date, as scheduled.</p> <p>Accurate meter re-read reading submitted within 1 day of request.</p>

Section C – 1601000  
Utilities Management

<b>1601000 – Utilities Management</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>designated by the KO within 1 day of request, at no additional cost to the Government.</p> <p>Approximate quantity of monthly meters requirement provided below: NAS Jacksonville:</p> <ul style="list-style-type: none"> <li>• 400 Electric Kilowatt Meters</li> <li>• 6 Steam Meters</li> <li>• 160 Water Meters</li> </ul> <p>OLF/Whitehouse:</p> <ul style="list-style-type: none"> <li>• 1 Water Meter</li> </ul>	
3.3	Utility Locate Services	The Contractor shall provide utility locate services to ensure dig permit requirements are met.	<p>The Contractor shall provide utility locate services to include locates of other non-Navy utilities such as telephone, gas, cable, etc.</p> <p>Utility locates shall be completed within ten calendar days receipt of call or within the specified time on the call.</p> <p>Historically, there have been approximately 25 locates monthly.</p>	<p>Utility locates performed as requested and before excavation is performed.</p> <p>Utility locate completed within the time specified.</p>
3.4	Utility Escort Services	The Contractor shall escort personnel to inspect and obtain information about the system for various reasons when requested.	<p>The Contractor shall provide escorting service when personnel require access and/or information regarding utility systems/operations. The date, time and requested support requirement will be provided by the KO no later than 24 hours prior to the required service.</p> <p>Historically, there have been approximately 125 requests of three hours each annually.</p>	<p>Personnel are familiar with the utility system.</p> <p>Personnel are on site as scheduled for each utility escort.</p>

Section C – 1601000  
Utilities Management

<b>1601000 – Utilities Management</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1602000  
Electrical

<b>1602000 – Electrical</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.2	Personnel
2.2.1	Certification and Training
2.3	Special Requirements
2.3.1	Safety
2.4	Work Coordination
2.5	Records and Reports
3	Recurring Work
3.1	Operate Electrical Power Transmission and Distribution Systems
3.1.1	Operating Records, Logs, Reports and Procedures
3.2	Integrated Maintenance Program (IMP)
3.2.1	Exercise Switches
3.2.2	SF-6 Switches
3.2.3	Substations
3.2.4	Manholes, Splice Cabinets and Transformers
3.2.5	Scheduled Outages
4	Non-recurring Work

Section C – 1602000  
Electrical

<b>1602000 – Electrical</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the Electrical Systems located at Naval Air Station Jacksonville, Florida and Outlying Field Whitehouse Jacksonville, Florida.
1.1	Concept of Operations	<p>The intent of 1602000 Electrical is to specify the requirements for the electrical power distribution systems.</p> <p>The point of demarcation is where the electricity exits the building electric meter or, if there is no meter, at the weatherhead where the electricity enters the building. All components beyond this point of demarcation are considered part of the facility and are included in 1502000, Facilities Investment.</p> <p>Stand-by electrical power generators which serve more than one facility are covered under this sub-annex. Generators serving a single facility are included in 1502000, Facilities Investment.</p> <p>Repairs to the facilities (building structures) are included in 1502000 Facilities Investment.</p>

Section C – 1602000  
Electrical

1602000 - Electrical																																																					
Spec Item	Title	Description																																																			
2	Management and Administration																																																				
2.1	Definitions and Acronyms	Definitions and Acronyms are provided in J-1602000-01.																																																			
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the Electrical Power Distribution Systems.																																																			
2.2.1	Certification and Training	<p>Cable Splicer/Terminator: Thirty calendar days before making splices or terminations, the Contractor shall submit names of the cable splicers to be employed. Documentation to verify that the individual has completed a splice/termination of the type to be installed under this contract. Documentation that said splice /termination has undergone and passed the following tests by the splice termination manufacturer or an independent laboratory.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Rated voltage Phase to Phase</th> <th colspan="2">DC hi-Pot Test</th> <th colspan="2">DC hi-Pot Test</th> </tr> <tr> <th>Wall-mils</th> <th>KV</th> <th>Wall-mils</th> <th>KV</th> </tr> </thead> <tbody> <tr> <td>5000</td> <td>90</td> <td>25</td> <td>115</td> <td>35</td> </tr> <tr> <td>8000</td> <td>115</td> <td>35</td> <td>140</td> <td>45</td> </tr> <tr> <td>15000</td> <td>175</td> <td>55</td> <td>220</td> <td>65</td> </tr> <tr> <td>25000</td> <td>260</td> <td>80</td> <td>320</td> <td>95</td> </tr> <tr> <td>28000</td> <td>280</td> <td>85</td> <td>345</td> <td>100</td> </tr> <tr> <td>35000</td> <td>345</td> <td>100</td> <td>420</td> <td>125</td> </tr> <tr> <td>46000</td> <td>445</td> <td>130</td> <td>580</td> <td>170</td> </tr> <tr> <td>69000</td> <td>650</td> <td>195</td> <td>650</td> <td>195</td> </tr> </tbody> </table> <p>The results shall be attached for review.</p> <p>The cable splicer must have at least three (3) years' experience in splicing the type and rating of cables specified.</p> <p>Quality Assurance: Each cable splicer may be required to make an approved dummy splice in the presence of the Contracting Officer and/or their representative in accordance with the cable manufacturer's instructions. The contractor shall furnish the material for dummy splices and terminations.</p> <p>Lineman Qualifications: High Voltage Electricians/Lineman shall be equivalent in all respects to United States Industry Journeyman Standards with at least 4 years and 4000 hours of experience. The remaining electricians shall be equivalent to United States Industrial Journeyman Standards or at least 2 years of apprenticeship. If the lineman does not hold a journeyman card, a knowledge assessment will be required and administered by the Government.</p> <p>The lineman must be knowledgeable in, but not limited to: Electrical principles, electric systems, substations, distribution circuits, construction specifications, all types of pole structures, locating and staking lines, (unloading, hauling, setting, and guying of poles), all types of insulators, line conductors, transformers, lightning and surge protection, fuses, switches, voltage regulator, (stringing, joining, and sagging, line conductors) (Live-line maintenance with hot sticks and insulated aerial platforms), (testing of hot</p>			Rated voltage Phase to Phase	DC hi-Pot Test		DC hi-Pot Test		Wall-mils	KV	Wall-mils	KV	5000	90	25	115	35	8000	115	35	140	45	15000	175	55	220	65	25000	260	80	320	95	28000	280	85	345	100	35000	345	100	420	125	46000	445	130	580	170	69000	650	195	650	195
Rated voltage Phase to Phase	DC hi-Pot Test		DC hi-Pot Test																																																		
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Section C – 1602000  
Electrical

<b>1602000 - Electrical</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		sticks, gloves, High Voltage cables, and line maintenance trucks), grounding, protective grounding, (street, perimeter, security, and recreational underground distribution, tree trimming, distribution transformer installation, electrical drawing symbols, single-line diagrams, schematic diagrams, voltage regulation, electrical formulas and calculations, maintenance of distribution lines, (rope, knots, splices, rigging and gear), climbing of poles, (safety rules, OSHA, and NESC), (familiar with NEC and ANSI-C2) CPR and first-aid certified, pole-top and bucket truck rescue.
2.3	Special Requirements	
2.3.1	Safety	All the safety requirements of UFC 3-560-01 are applicable to this specification in addition to the safety standards of 0200000 Management and Administration.
2.4	Work Coordination	The Contractor shall coordinate all maintenance and repair work and outages in a manner that minimizes the disruption of electric services.
2.5	Records and Reports	Records and reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents within the required timeframes.

Section C – 1602000  
Electrical

<b>1602000 Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall efficiently operate and maintain the Electrical Power Distribution Systems to safely distribute reliable electrical power such that all electrical requirements are continually met.	<p>The Contractor has full responsibility to operate, maintain, and repair the entire Electrical Power Distribution Systems to provide continuous service 24 hours per day, seven days per week.</p> <p>The Electrical Systems Description is provided in J-1602000-02.</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p> <p>The Contractor shall establish standard operating procedures (SOP) that provide step-by-step instruction for all system work requirements identified in this section. SOP shall be established and provided to the COR for review within thirty days after contract start and annually thereafter. The SOP shall comply with the Operations and Maintenance (O &amp; M) manuals, permits, statues, regulations, instructions, and policies applicable to the utility systems.</p> <p>The Contractor shall develop and implement an annual and monthly monitoring schedule. Schedule shall be established and provided to the COR for review within 30 days after contract start and monthly thereafter. The Contractor shall establish a log and record date and time of monitoring, system condition and performance, the name of the individual performing the monitoring, and all comments, problems, and identification of reactive, preventive, predictive and</p>	Electrical power is continuously and safely distributed and meets demand requirements.

Section C – 1602000  
Electrical

<b>1602000 Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			proactive maintenance as a result of system operational deficiencies noted during scheduled PM or routine monitoring.	
3.1	Operate Electrical Power Distribution Systems	The Contractor shall efficiently and safely operate the Electrical Power Distribution Systems to provide electrical power to meet all demand requirements, 24 hours per day, seven days per week, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient distribution of electricity.</p> <p>The Contractor shall operate systems equipment and components efficiently and safely per Unified Facilities Guide Specifications (UFGS), National Electrical Safety Code, NFPA 70, NAVFAC MO 201, NAVFAC MO 200, NAVFAC MO 221, CFR 29, 1910 and 1926 and approved SOP.</p> <p>Operation of the Electrical Power Distribution Systems includes equipment and systems components, such as, transformers, switchgear medium and low voltage distribution lines. Also includes tasks, such as, monitoring and regulation of equipment controls, maintaining operating records, logs, and reports, and examination, lubrication and minor adjustment of equipment and system components.</p> <p>The Contractor shall submit a condition report to the KO and COR weekly of repairs accomplished and any repairs or maintenance deferred with schedule of future repairs including any material delivery dates and reasons why maintenance has been deferred.</p>	<p>Systems equipment and components are efficiently, safely and continuously operated per operating criteria to provide electrical power to meet demand.</p> <p>Unscheduled interruptions are minimized such that electrical power demand is met 99.9 percent of the time annually.</p> <p>Current monitored measurements confirm that balance is maintained on all distribution circuit phases.</p>
3.1.1	Operating Records, Logs, Reports and Procedures	The Contractor shall prepare, submit and maintain operating records, logs and	The Contractor shall establish a log and record date and time of monitoring, system condition and performance, the name of the individual performing the	All required operating records, logs, reports and procedures are maintained current

Section C – 1602000  
Electrical

<b>1602000 Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		reports for in-process tracking of electrical operation, maintenance and repairs of the system.	<p>monitoring, and all comments, problems, and identification of reactive, preventive, predictive and proactive maintenance as a result of system operational deficiencies noted during scheduled PM or routine monitoring.</p> <p>The Contractor shall submit annual manhole report to the KO and COR within five days after inspections are completed.</p> <p>The Contractor shall submit a monthly outage report listing all scheduled and unscheduled outages that occurred during the previous calendar month. The report shall include work order number, location, cause, customers affected, date and time of outage and restoration, and outage duration.</p> <p>The Contractor shall track and daily update the status and configuration of all pad mounted and overhead switches. This report shall be submitted to the Government within four hours of request.</p>	and complete and applicable copies provided to the KO and COR within the specified times.
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for Electrical Systems to ensure all equipment and components are in a safe, fully functional and operational condition and to sustain maximum life.	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor’s approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, job plans, infrared inspections, substation relay coordination, tree trimming, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the</p>	<p>IMP is accomplished per Contractor's incorporated Program and schedule.</p> <p>When a problem or a need for repair is identified, the Contractor shall respond within 15 minutes during normal working hours or within one hour after normal working hours following Contractor discovery or Government</p>

Section C – 1602000  
Electrical

<b>1602000 Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Contractor is fully responsible for any individual occurrence of repair, including replacement up to the IMP limit of liability of \$15,000 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the IMP limits of liability.</p> <p>The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed above. If the estimated cost of the repair exceeds the IMP liability limit, the Government may order the work under the non-recurring work section of this contract; however, the Government will only be liable for the amount of cost exceeding the IMP liability limit.</p> <p>Example: If an individual occurrence of repair requires \$15,100 in direct labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct labor and/or direct material cost that exceeds the IMP limit of liability.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service trouble calls will not be issued</p>	<p>notification and works continuously to completion.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>

Section C – 1602000  
Electrical

<b>1602000 Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>IMP shall include all equipment and components of the electrical distribution systems (e.g., substations, transformers and transformer pads, switchgear, distribution line, manholes, structures and poles, electric meters, etc.) In addition, IMP shall include corrosion control performance on all equipment and finished appearance shall match existing coating as near as possible.</p> <p>IMP, inclusive of repair and replacement, shall be performed per ANSI Standards, OMSI, and equipment manufacturer's recommendations and commercially accepted practices.</p> <p>All System malfunctions and breakdowns requiring repair or replacement shall be responded to within 15 minutes during normal working hours and within one hour after normal working hours following Contractor discovery or Government notification and worked continuously to completion.</p> <p>The Contractor shall submit a monthly IMP schedule, unaccomplished maintenance report, repair status report, and summary of maintenance and repair accomplished under the various maintenance programs report.</p>	
3.2.1	Exercise Switches	The Contractor shall exercise switches to ensure proper operation.	<p>The Contractor shall operate switches by opening and closing gang switches and pole switches annually. Ensure proper operation.</p> <p>Schedule shall be established and provided to the KO for review within 30 days after</p>	Switches are fully operational following scheduled maintenance.

Section C – 1602000  
Electrical

<b>1602000 Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			contract start, and updated annually thereafter.	
3.2.2	SF-6 Switches	The Contractor shall check and refill SF-6 Switches to ensure proper gas level.	The Contractor shall check gas level in SF-6 switches annually and recharge if needed. Schedule shall be established and provided to the KO for review within 30 days after contract start, and updated annually thereafter.	Switches are fully gassed following scheduled maintenance.
3.2.3	Substations	The Contractor shall inspect Substations condition and performance to ensure proper and efficient operation.	The Contractor shall inspect both interior and exterior of facilities and equipment at substations weekly. Establish and maintain a log at each substation and record date and time of inspection, substation condition and performance, the name of the individual performing the inspection and all comments and problems. Log all maintenance and repairs required and PM performed during inspections. The logbook data shall contain status of alarm on enunciator panel, battery charger status, including ground indication.	Substation inspected weekly and fully operational.
3.2.4	Manholes, Splice Cabinets and Transformers	The Contractor shall ensure Manhole, Splice Cabinets and Transformer Inspections are performed to identify condition and structural integrity of the manhole and equipment.	The Contractor shall perform biennial visual inspections of manholes and annual inspections of all splice cabinets and transformers. Submit inspection schedule within 30 days after contract start and annually thereafter. Results of the inspections are compiled and used for Long-Range Maintenance Planning. This inspection shall not relieve the contractor from establishing and implementing a continual inspection, or monitoring, program for the timely identification of repair work within the scope of IMP. Submit a written report within five working days of inspection indicating overall condition of equipment and structures.  The Contractor shall provide an updated CAD drawing for each	Manholes splice cabinets and transformers inspected and report submitted to the KO and COR.

Section C – 1602000  
Electrical

<b>1602000 Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			manhole identifying the circuits inside the manhole and their direction in and out of the manhole. The report shall also state the size and number of conduits along with any spares.	
3.2.5	Scheduled Outages	The Contractor shall establish a scheduled outage/service disruption plan to ensure coordination with affected buildings and customers.	<p>The Contractor shall establish a scheduled outage plan/ service disruption plan and provide to KO within 15 days after contract start. Outline the procedures and process to be followed before, during, and upon completion of the outage or service disruption. Include customer and building notification and coordination procedures, equipment preparation, operations and switching orders. Program to include a generic plan and follow-up specific plans prior to each scheduled outage or service disruption.</p> <p>The Contractor shall provide specific plans for each outage or service disruption to KO for approval five days prior to outage. Outages and service disruptions will normally be scheduled after normal working hours or weekends. In the case of Government scheduled outage, the contractor will be informed as far in advance as time permits of dates and time of outage including outages scheduled by contractor for preventive, predictive and proactive maintenance.</p> <p>The Contractor shall restart and perform operational checks on all equipment affected by the outage or service interruption. There shall be no scheduled outages without customer notification and approval.</p>	<p>Scheduled outage plan/service disruption plan submitted to the KO within 15 days of contract start.</p> <p>No scheduled outage/service interruption without Government Approval.</p>

Section C – 1602000  
Electrical

<b>1602000 - Electrical</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1604000  
Wastewater

<b>1604000 – Wastewater</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification, Training and Licensing
2.2.2	Permit Violation Fines
2.3	Work Coordination
2.4	Records and Reports
3	Recurring Work
3.1	Operation
3.1.1	Wastewater Effluent Quality
3.1.2	Compliance Sampling and Testing
3.1.3	Minimum Operator Attendance
3.1.4	Unscheduled Outage
3.1.5	Operating Records, Logs, Reports and Procedures
3.2	Integrated Maintenance Program (IMP)
3.2.1	Clean Lift Stations
3.2.2	Grit and Screenings
3.2.3	Sanitary Manhole Inspections
4	Non-recurring Work

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the Wastewater Treatment Plant and Collection System to within 5-feet of the facility being served that are located at Naval Air Station Jacksonville which includes Outlying Field Whitehouse.
1.1	Concept of Operations	<p>The intent of 1604000 Wastewater is to specify the requirements to provide Wastewater utilities. Included are services such as operating, maintaining and repairing the Wastewater treatment plant and collection system.</p> <p>The following services are not included in this Template:</p> <ul style="list-style-type: none"> <li>• The point of demarcation is from the cleanout or 5-feet from where the wastewater exits the building. All components prior to this point of demarcation are considered part of the facility and are included in 1502000, Facilities Investment.</li> <li>• Repairs to the facilities (building structures) and trouble call response for Wastewater are included in 1502000 Facilities Investment.</li> <li>• Utility locates and escort services are included in 1601000 Utilities Management.</li> </ul>

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1604000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the Wastewater Treatment Plant and Collection System.
2.2.1	Certification, Training and Licensing	<p>The Contractor shall employ certified wastewater treatment plant operators who are certified in accordance with the FAC 17-602 and experienced in similar plants and systems to perform the requirements of this functional section.</p> <p>Each Wastewater Treatment Plant Operator must possess a current/valid operator's certificate issued by the Wastewater Works Operators Certification Board of Examiners from Florida. At minimum supervisors shall hold a Class A operating license and have a minimum of five years' experience, lead operators shall hold a Class B operating license and all other shift operators shall hold a Class C license.</p> <p>The chemist and the laboratory analyst shall complete yearly training in order to keep the personnel updated with the latest local and Federal environmental regulations, public health concerns, laboratory procedures, and safety requirements to comply with the Florida Administrative Code.</p>
2.2.2	Permit Violation Fines	The Contractor shall be responsible for all fees, fines, and penalties assessed by the State if discharge permits are violated in the course of operations or maintenance.
2.3	Work Coordination	The Contractor shall coordinate all maintenance and repair work and outages in a manner that minimizes the disruption of wastewater collection and treatment services to Naval Air Station Jacksonville which includes Outlying Field Whitehouse.
2.4	Records and Reports	Records and reports are listed in Sections C and F. The Contractor shall submit accurate and complete documents within the required timeframes.

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall efficiently operate and maintain the Wastewater Treatment Plant and Collection Systems to safely collect, treat, dispose and/or reuse wastewater to ensure all sewage permit requirements are continually met.	<p>The current Wastewater Treatment Plant and Collection Systems Description are provided in J-1604000-02.</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p> <p>The Contractor shall be responsible for managing and controlling traffic issues resulting from sewage system work in a safe manner at all times.</p> <p>The Contractor shall submit a Road Closure Request five working days prior to service commencing and work in accordance with the Government road closure schedules.</p>	<p>Wastewater is continuously and safely collected, treated and disposed.</p> <p>Effluent complies with the regulatory discharge permit.</p> <p>No spills are the result of Contractor negligence.</p>
3.1	Operation	The Contractor shall operate the wastewater treatment plant and collection systems to efficiently and safely collect, treat and dispose of wastewater such that the effluent complies with the regulatory discharge permit 24 hours per day, seven days per week, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to collect, treat and dispose of the measurable quantities and quality of effluent to ensure safe, reliable, efficient collection, treatment and disposal of wastewater.</p> <p>Operation of wastewater treatment plant and collection systems includes equipment and system components, such as: all Data Flow Systems, telemetry/SCADA systems at wastewater treatment plant, lift stations and reuse system, complete wastewater reuse system to Timuquana reuse pond and to the on-Station golf course holding pond including irrigation pump station at holding pond, reuse pipeline to the south antenna farm spray field</p>	<p>Plant and equipment and components are efficiently, safely and continuously operated per specified operating criteria to collect, treat and dispose of wastewater and effluent complies with the regulatory discharge permit.</p> <p>Unscheduled interruptions are minimized such that collection demand and effluent quality requirements are met 99.9 percent of the time annually.</p> <p>Plant and Systems equipment and components are</p>

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>including all valves, risers, and spray heads, reuse pipeline to the holding pond and reuse pumps and controls at the chlorine contact chamber, sewage holding tanks, drain fields, lift stations wet and dry well configuration with a majority being canned /submersible pumps, pumps, screens, oil/water separators, filters, chemical treatment, odor control systems, valves and automatic controls, alarms, manholes twin belt domestic sludge press, BCR chemical sludge treatment system including two 2500 gallon chemical tanks (refilling tanks as needed), piping, controls, etc., and all other associated equipment (pumps, air, compressor, control panel, sludge conveyer, piping, electrical and associated hardware and tasks, such as: monitoring and regulation of equipment controls, maintaining operating records, logs, and reports, and examination, lubrication and minor adjustment of equipment and system components.</p> <p>Plant and systems components shall be efficiently and safely operated per ANSI and AWWA Standards, OMSI and other specific operating manuals, procedures, and instructions.</p> <p>The Contractor shall collect and analyze for all parameters necessary to operate the treatment plant, such as: sludge age, MLSS, MLVSS, F/M ratio. Split samples shall be provided to KO within four hours of request for compliance monitoring.</p> <p>Safe operation shall ensure that all wastewater treatment plant equipment requiring operator</p>	<p>efficiently, safely and continuously operated per specified operating criteria to collect, treat and dispose of wastewater and effluent complies with the regulatory discharge permit.</p>

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>attendance is staffed by qualified personnel at all times of operation. The KO shall be notified immediately if unsafe conditions are discovered.</p> <p>The Contractor shall develop and implement Standard Operating Procedures (SOP) that provide step-by-step instruction for all wastewater system work requirements within 60 days of contract start and annually thereafter and submit to the KO for review. A hard copy of the current Standard Operating Procedures, operating records, logs, reports, and procedures shall be available on site at all times.</p> <p>The Contractor shall ensure plant and system configuration drawings, diagrams and O&amp;M Manual are created and/or edited and kept current annually.</p> <p>The average volume of wastewater processed for NAS Jacksonville is approximately 600,000 gallons per day.</p> <p>Historical Chemical and Material Usage is provided in J-1604000-03.</p>	
3.1.1	Wastewater Effluent Quality	The Contractor shall produce treated wastewater effluent that complies with the regulatory discharge permit.	<p>Wastewater effluent quality shall meet all Federal, state and local authorities' regulations, permits, certifications and requirements.</p> <p>On-site sampling and laboratory analyses of wastewater shall be performed per the Florida Administrative Code, operating /discharge permit and plant O &amp; M manuals. Off-site analyses of wastewater shall be performed by an independent state certified laboratory which shall meet all certification requirements by the Florida Department of Environmental Protection. Quantities and frequencies shall</p>	Laboratory analyses confirm that wastewater effluent complies with the regulatory discharge permit.

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>be performed per Florida Administrative Code, operating /discharge permit and plant O &amp; M manuals.</p> <p>If wastewater chemistry is confirmed, through independent laboratory analyses or on site testing, to not be in compliance with permit discharge limits, the Contractor shall immediately notify the KO and shall make immediate adjustments to bring the wastewater back within permit compliance limits as soon as possible. Contractor's monitoring shall be capable to identify problems arising and adjust treatment to insure wastewater effluent complies with the regulatory discharge permit.</p> <p>Laboratory Analysis of Wastewater Effluent Reports shall be submitted per Section F.</p>	
3.1.2	Compliance Sampling and Testing	The Contractor shall perform as required all compliance sampling and testing for all wastewater plants and/or systems	<p>The Contractor shall provide sampling and testing according to City, County, State and Federal regulations and permits. All data shall be maintained electronically in the plant computer system to prepare and submit the monthly MOR/DMR to the Government.</p> <p>Any failed compliance tests or out of permit limit test results shall be investigated by the Contractor and resampled and retested as often as needed to verify results or to verify compliance after corrective actions have been completed.</p> <p>Contractor shall provide a formal copy of the completed report to the KO and the appropriate Utilities Manager. Data collection, testing and reporting shall be in accordance with the Florida Administrative Code.</p>	Test reports are accurate and submitted as required.

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3.1.3	Minimum Operator Attendance	The Contractor shall provide wastewater treatment certified plant operators and support personnel in sufficient quantities of staffing per shift to efficiently and safely operate equipment at all times of operation, 24 hours per day, seven days per week, throughout the contract period.	<p>All personnel operating the plant shall meet the training and certification standards in Spec Item 2.2.1.</p> <p>The wastewater treatment plant shall be manned 24 hours per day, seven days per week, including holidays.</p> <p>Contractor shall submit a Schedule of Operator Attendance per Section F.</p>	Minimum numbers and types of wastewater treatment plant operators, support personnel, and supervisory operators in direct responsible charge comply, by each applicable shift, with operating permit, approved SOP and Operation and Maintenance Manual.
3.1.4	Unscheduled Outage	The Contractor shall respond to outages and other utility emergencies 24 hours a day to restore service.	<p>The contractor shall respond to outages and other utility emergencies 24 hours a day.</p> <p>Outages occurring within Government normal working hours, work shall start on service restoration within fifteen minutes of notification at NAS JAX and 45 minutes at OLF Whitehouse. Work shall continue until emergency is arrested and service is restored.</p> <p>Outages after normal working hours shall be responded to and restoration started within one hour of notification at all locations. Work shall continue until emergency is arrested and service is restored.</p> <p>Any unscheduled outage, which would cause a loss of service to a facility or reduction in capacity, shall be reported to the KO immediately after receiving outage notification. Update the KO and/or CDO with a verbal follow on report hourly until service is restored. Cognizant base CDO shall be notified after normal working hours.</p>	<p>Response and work started within time specified</p> <p>Outages are reported with follow up notification as specified.</p>
3.1.5	Operating Records, Logs, Reports and	The Contractor shall prepare, submit and	The Contractor shall input the Monthly Discharge Monitoring Report (DMR) data into the	All required operating records, logs, reports and

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	Procedures	maintain operating records, logs and reports for in-process tracking of plant output characteristics and maintenance and repairs of the system.	<p>Government’s computer data base located at the wastewater treatment plant within 24 hours after lab/data information is obtained and shall upload/enter all data into the FDEP EZ DMR on-line web based system for monthly report submittal</p> <p>The monthly DMR data shall be entered into the FDEP on-line electronic EZ DMR web based system no later than the 18<sup>th</sup> of each month for commodity manager review and approval/submittal by the Government to FDEP by the 28<sup>th</sup> of each month.</p> <p>The contractor shall establish a log and record date and time of monitoring, system condition and performance, the name of the individual performing the monitoring, and all comments, problems, and identification of reactive, preventive, predictive and proactive maintenance and corrective measures as a result of system operational deficiencies noted during scheduled PM or routine monitoring.</p> <p>The Contractor shall submit a weekly condition report of the system to the KO and COR of repairs accomplished and any repairs or maintenance deferred with scheduled of future repairs including any material delivery dates and reasons why maintenance has been deferred.</p> <p>Contractor shall submit an annual manhole report to the KO five days after inspections are completed that details problems/issues and corrective actions that have been taken.</p> <p>The Contractor shall submit a monthly outage report listing all scheduled and unscheduled</p>	procedures are maintained current and complete and applicable copies provided to the KO within the specified times.

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			outages that occurred during the previous calendar month. The report shall include work order number, location, cause, customers affected, date and time of outage and restoration, and outage duration.	
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for the Wastewater Treatment Plant and Collection System to ensure all equipment and components remain in optimum condition and sustain maximum life.	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor’s approach for integrated maintenance, including preventive maintenance and inspection tasks, schedules with job plans for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor is fully responsible for any individual occurrence of repair, including replacement up to the IMP limit of liability of \$15,000 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the IMP limits of liability.</p> <p>The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed above. If the estimated cost of the repair exceeds the IMP liability limit, the Government may order the work under the non-recurring work section of this contract; however, the Government will only be liable for the amount of cost exceeding the IMP liability limit.</p>	<p>Maintenance is performed in accordance with the Contractor's IMP and work schedule.</p> <p>The wastewater treatment plant is maintained and repaired to sustain a fully functional and operable condition in accordance with ASME, WEF, NASSCO, and OEM specifications.</p> <p>Unscheduled interruptions are minimized such that collection demand and effluent quality requirements are met 99.9 percent of the time annually.</p> <p>NPDES discharge permit requirements are met.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Example: If an individual occurrence of repair requires \$15,100 in direct labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct labor and/or direct material cost that exceeds the IMP limit of liability.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service trouble calls will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The IMP shall include all equipment and components of the Wastewater Treatment Plant and Collection System, such as, sewage holding tanks and basins, lift stations, pumps, screens, oil/water separators, filters, chemical treatment, valves, automatic controls, plant and collection system piping, manholes, and septic tanks, BCR sludge treatment system, and reuse system pumps, piping, valves, and spray field risers.</p> <p>IMP, inclusive of Preventive Maintenance (PM) repair and replacement, shall be performed per AWWA and ANSI Standards, OMSI, equipment O&amp;M manuals, UFC-3-431-07 Boiler and UPV Maintenance</p>	

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>and Certification and equipment manufacturer's recommendations and commercially accepted practices. In addition the PM program shall include corrosion control on all equipment and finished appearance shall match existing coating as near as possible.</p> <p>All System malfunctions and breakdowns requiring repair or replacement shall be responded to within 15 minutes during normal working hours and within one hour after normal working hours following Contractor discovery or Government notification and worked continuously to completion.</p>	
3.2.1	Clean Lift Stations	Contractor shall clean lift stations quarterly to ensure no buildup or stoppages.	The Contractor shall clean lift stations at NAS Jacksonville by removing any spillage, or stoppages, grease, scum, and solids from wet wells, wet well side walls, weirs, channels, bar screens and incoming sewer lines and pipes as needed.	Lift stations satisfactory cleaned as scheduled.
3.2.2	Grit and Screenings	The Contractor shall dispose of residuals, (grit, screenings, debris, materials and solids) to meet regulation requirements.	The Contractor shall dispose of residuals, (grit, screenings, debris, materials and solids), from wastewater treatment plants and shall be disposed of off Government property in accordance with all local, State and Federal regulations. All treatment plant sludge shall be chemically treated with the BCR environmental systems and dewatered by a belt press and disposed of in a Class 1 landfill or dewatered, hauled and land applied off station to a permitted land application site per all applicable permits and regulations. The contractor shall provide all information to Government necessary to prepare the agricultural use plan and annual sludge disposal reporting to the State and EPA.	Residuals disposed of and all regulations complied with as specified.

Section C – 1604000  
Wastewater

<b>1604000 - Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			Annual average quantity of sludge disposed at NAS Jacksonville is approximately 100 dry metric tons per year.	
3.2.3	Sanitary Manhole Inspections	The Contractor shall perform inspections of sanitary manholes to ensure overall satisfactory condition of equipment and structures.	<p>The Contractor shall provide all equipment necessary to completely do a Biennial inspection of all sanitary manholes.</p> <p>Contractor shall submit inspection schedule within 30 days after contract start. Duration of the inspection shall be 120 days.</p> <p>Contractor inspection shall include the overall interior condition of the structure, condition of rings, covers, any leaks or sand/debris inside the manhole. Report shall also include any repairs performed during the inspection or work orders created to address needed repairs.</p> <p>Results of the inspections are compiled and used for Long-Range Maintenance Planning. This inspection shall not relieve the contractor from establishing and implementing a continual inspection, or monitoring, program for the timely identification of repair work within the scope of IMP. Submit a written report within five working days of inspection indicating overall condition of equipment and structures to the KO.</p>	Manholes inspected as scheduled.

Section C – 1604000  
Wastewater

<b>1604000 – Wastewater</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1605000  
Steam

<b>1605000 – Steam</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification and Training
2.3	Fuels
2.4	Work Coordination
2.5	Records and Reports
3	Recurring Work
3.1	Operation
3.1.1	Steam Quality
3.1.2	Plant Boiler Combustion Limits and Efficiencies
3.1.3	Power Boiler Minimum Operator Attendance
3.1.4	Boiler Water Testing and Treatment Program
3.1.5	Condensate Return System
3.1.6	Operating Records, Logs and Reports
3.1.7	Unscheduled Outage
3.2	Integrated Maintenance Program (IMP)
3.3	Inspection, Testing, and Certification Program
3.4	Other Recurring Services
3.4.1	Calibrate Steam Meters
3.4.2	Pits and Manholes
3.4.3	Annual Boiler Burner Evaluation
4	Non-recurring Work

Section C – 1605000  
Steam

<b>1605000 – Steam</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the Steam Generation Plants, Steam Distribution Systems, and Condensate Return Systems located at Naval Air Station Jacksonville in Jacksonville, Florida.
1.1	Concept of Operation	The intent of 1605000 Steam is to specify the requirements to provide installation steam. Included are services as operating, maintaining and repairing the steam plants, steam distribution systems, and condensate return systems, and boiler water testing and treatment.

Section C – 1605000  
Steam

<b>1605000 - Steam</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1605000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the Steam Generation Plants, Steam Distribution Systems, and Condensate Return System.
2.2.1	Certification and Training	<p>Steam Generation Plant Operators shall comply with ASME and EPA certification guidance exhibiting knowledge and skills of high pressure boilers and principles of steam production. Boiler operator maintenance personnel shall be qualified as having minimum training, certification, and experience specified per the Unified Facilities Guide Specifications (UFGS) and Section VII of the American Society of Mechanical Engineers (ASME) Code. Provide certification and training (per the Unified Facilities Guide Specifications (UFGS) and ASME Code, Section VII) for boiler plant operators and maintenance personnel.</p> <p>Inspectors/certifying official shall have a Certificate of Competency from NAVFAC and will be provided by the Government. Contractor shall be responsible to coordinate dates and times for certifications to take place.</p>
2.3	Fuels	Primary and secondary fuels used by steam plants will be provided by other means.
2.4	Work Coordination	The Contractor shall coordinate all maintenance and repair work and outages in a manner that minimizes the disruption of steam services.
2.5	Records and Reports	Records and reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents within the required timeframes.

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall efficiently operate and maintain the Steam Generation Plants, Distribution Systems, and Condensate Return Systems to safely produce and distribute quality, reliable steam such that all steam requirements are continually met.	<p>The current Steam Generation Plant, Steam Distribution Systems, and Condensate Return System Descriptions are provided in J-1605000-02.</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p>	Steam is continuously and safely produced and distributed and meets minimum quality and demand requirements.
3.1	Operation	The Contractor shall operate the Steam Generation Plants, Steam Distribution Systems, and Condensate Return Systems to efficiently and safely produce quality steam 24 hours per day, seven days per week, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient generation and distribution of steam.</p> <p>Operation of the Steam Generation Plants, Steam Distribution Systems, and Condensate Return Systems includes equipment and system components, such as, plant boilers, heat exchangers, monitoring and regulation of equipment controls, and controls systems, meters, steam traps, pumps, valves, distribution lines and fuel tanks. Includes tasks , such as, repair/replace piping systems between the source of steam and related equipment such as fuel tanks and fuel supply systems, boiler feed water treatment, pumps, combustion controls, water softening equipment, de-aerators, electrostatic precipitators, auxiliary pumps and controls, and associated hardware; steam distribution equipment including steam piping, condensate piping, pressure reducing valves, expansion joints, expansion loops, anchors, valves, steam</p>	<p>Plant and system equipment and components are efficiently, safely and continuously operated per specified operating criteria to produce quality steam to meet demand.</p> <p>Unscheduled interruptions are minimized such that steam temperature and pressure (quality) demands are met 99.9 percent of the time annually.</p>

Section C – 1605000  
Steam

1605000 - Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>traps, condensate pumps, receivers, insulation and/or covering, conduits and manholes, structural supports, utilidors, and associated hardware; and condensate return systems including piping, dump traps, flash tanks, pumps, and associated hardware used to return the condensate to the boiler. Other task includes monitoring and regulation of equipment controls, maintaining operating records logs, and reports, and examination, lubrication and minor adjustment of equipment and system components. Minimize boiler blow down rate. Automated controls for boiler blow down shall be used to the degree possible.</p> <p>The steam generation and distribution systems shall be efficiently and safely operated per Unified Facilities Guide Specifications (UFGS), NAVFAC MO 209, NAVFAC MO 225, NAVFAC MO 324, NAVFAC MO 221, FDEP Operating permits, 29 CFR 1910 and 1926. Contractor is responsible for ensuring proper and efficient operations. Includes continually monitoring, inspecting and making adjustments and repairs to ensure proper operation. Contractor has overall responsibility for determining requirements, priorities, frequencies, coordination, and scheduling. In addition to NAVFAC instructions the Public Works Department requires the steam plant at building 85 be manned 24 hours a day, and steam plants at buildings 86 and 2032 to be remotely monitored at building 85.</p> <p>Safe operation shall ensure that</p>	

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>all Heating and Power Boilers and equipment requiring operator attendance are staffed by qualified personnel at all times of operation, and that, no plant boilers requiring certification shall be operated without a valid Inspection Certificate, NAVFAC Form 11014/32. The KO shall be notified immediately when unsafe conditions are discovered, following repair of a pressure component, and, after any major modification to boilers, control equipment or auxiliaries. The affected equipment shall not be placed back in operation until written authorization is received from a Government provided certified boiler inspector. (See Spec item 2.2.1)</p> <p>The Contractor shall develop and implement Standard Operating Procedures (SOP) that provide step-by-step instruction for all steam generation, steam distribution, and condensate return work requirements. SOP shall be established and provided to the COR for review within 30 days after contract start and annually thereafter. A hard copy of the current Standard Operating Procedures, operating records, logs, reports, and procedures shall be available on site at all times.</p> <p>The Public Work Department Environmental Division will perform air emissions testing for permits.</p> <p>Primary and secondary fuel used by steam plants in this sub-annex will be provided by other means.</p>	
3.1.1	Steam Quality	The Contractor shall produce and distribute steam to ensure the	Steam pressure and temperature shall be maintained at minimums of 110 pounds per square inch gauge (psig) and 343 degrees	Steam meets the minimum specified pressures, temperature and

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		minimum pressure, temperature and purity requirements are met.	Fahrenheit respectively, at exit points of the boilers for Steam Plants A1, A2, and C, and 120 pounds per square inch gauge (psig) and 350 degrees Fahrenheit respectively, at exit points of the boilers for Steam Plant H..  Shore steam and condensed steam shall meet the purity requirements identified by the equipment manufacturer.	purity requirements throughout the plant and distribution system.
3.1.2	Plant Boiler Combustion Limits and Efficiencies	The Contractor shall efficiently operate plant boilers to ensure specified combustion limits and efficiencies are continuously met or exceeded.	Plant boiler combustion limits shall be established by mutual test with the Government within 120 days following start of contract.  Combustion limits, efficiency ratings and flue gas constituents shall be determined, checked, and measured per UFC 3-430-08N, Section 9.  Monitor and adjust boiler combustion efficiency to provide optimum performance via flue gas measurements. Oxygen shall be trimmed to minimize excess combustion air and optimize the air-to-fuel ratio.	Established combustion limits and combustion efficiencies for plant boilers are continuously met or exceeded.  Plant boiler efficiency rating meets or exceeds 85 percent per boiler.
3.1.3	Power Boiler Minimum Operator Attendance	The Contractor shall provide boiler operators in sufficient quantities of staffing per shift to efficiently and safely operate Power Boilers at all times of operation, 24 hours per day, seven days per week, throughout the contract period.	Visits for operating boiler(s) shall be of sufficient duration to observe a complete operational cycle and perform operator checks.	Power Boiler operators meet minimum attendance requirements specified in current applicable directives and instructions, e.g., the Unified Facilities Guide Specifications (UFGS).
3.1.4	Boiler Water Testing and Treatment Program	The Contractor shall provide and implement a boiler water testing and treatment program to ensure optimum equipment operation and	The Contractor shall develop and submit a Boiler Water Testing and Treatment Program, per Section F.  For steam boilers with capacities exceeding 400 MBH, samples of feedwater, boiler water and	Boiler water is sampled and tested in accordance with the Contractor's incorporated boiler water testing and treatment program.

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		efficiency.	<p>condensate shall be independently tested and certified monthly by an independent laboratory approved by the KO for simultaneous comparison with Contractor analyses.</p> <p>Suggested water quality standards for boiler water and feedwater are specified in UFC 3-430-08N, Section 7.</p> <p>Informational Notes: Recommended frequencies for sampling boiler water are specified in UFC 3-430-08N, Section 7.</p>	Laboratory analyses confirm that boiler water meets the suggested water quality standards for boiler water and feedwater as specified in UFC 3-430-08N, Section 7.
3.1.5	Condensate Return Systems	The Contractor shall operate the condensate returns system to ensure minimal condensate loss.	The Contractor shall evaluate existing condensate return systems' overall condition to determine achievable condensate return rate.	Condensate is returned to the plants at an average rate of no less than 60 percent.
3.1.6	Operating Records, Logs and Reports	The Contractor shall prepare, submit and maintain operating records, logs and reports for in-process tracking of plant output characteristics to ensure records, logs, and reports are current and complete.	<p>Per NAVFACINST 11300.37A, Chapter 3; Part 1, DoD FGS, or local installation instruction, a monthly operating records report shall be submitted to the KO per Section F, within three days following the end of the month during which the work was performed and shall include monitoring, system condition and performance, the name of the individual performing the monitoring, and all comments, problems, and identification of reactive, preventive, predictive and proactive maintenance as a result of system operational deficiencies noted during scheduled PM or routine monitoring.</p> <p>Copies of daily operating logs, chemical treatment performed, and steam, boiler feed water and condensate return water laboratory analysis shall be retained and submitted to the KO upon request.</p>	All required operating records, logs, and reports are maintained current and complete and applicable copies provided to the KO within the specified times.

Section C – 1605000  
Steam

1605000 - Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>The Contractor shall submit a monthly outage report listing all scheduled and unscheduled outages that occurred during the previous calendar month. The report shall include work order number, location, cause, customers affected, date and time of outage and restoration, and outage duration.</p> <p>The Contractor shall submit a weekly condition report to the KO of repairs accomplished and any repairs or maintenance deferred, scheduled for repairs and reason for deferred status.</p> <p>The Contractor shall submit a monthly production report (per the NAVFAC SE billing processing schedule) to the KO listing the steam produced, condensate returned, and fuel used at each plant.</p> <p>The Contractor shall provide the reports electronically utilizing Microsoft Office Excel spreadsheet or other as approved and compatible software or format approved by the Government.</p>	
3.1.7	Unscheduled Outage	The Contractor shall respond to outages and other utility emergencies 24 hours a day.	<p>The Contractor shall respond to outages and other utility emergencies 24 hours a day. Outages occurring within Government normal working hours, work shall start on service restoration fifteen minutes of notification. Work shall continue until emergency is arrested and steam service is restored.</p> <p>Outages after normal working hours shall be responded to and restoration started within one hour of notification at all locations. Work shall continue until emergency is arrested and steam service is restored.</p>	<p>Steam outage responded to within time specified.</p> <p>Steam service restored before Contractor leaves site.</p> <p>Outages are reported with follow up notification completed.</p>

Section C – 1605000  
Steam

1605000 - Steam				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Any unscheduled outage, which would cause a loss of service to a facility or reduction in service capacity, shall be reported to the KO immediately after receiving notification.</p> <p>The Contractor shall update the KO and/or CDO with a verbal follow on report hourly until service is restored. Cognizant base CDO shall be notified after normal working hours.</p>	
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for the Steam Generation Plants, Steam Distribution Systems, and Condensate Return System to ensure all equipment and components remain in optimum condition and sustain maximum life.	<p>The steam generating and distribution systems descriptions are provided in J-1602000-02.</p> <p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor's approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p> <p>As part of the IMP, the Contractor is fully responsible for any individual occurrence of repair, including replacement up to the IMP limit of liability of \$15,000 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the IMP limits of liability.</p> <p>The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed</p>	<p>IMP is accomplished per Contractor's incorporated Program and schedule.</p> <p>When a problem or a need for repair is identified, the Contractor shall respond within 15 minutes during normal working hours or within one hour after normal working hours following Contractor discovery or Government notification and works continuously to completion.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>When repair is complete the facility, system, or</p>

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>above. If the estimated cost of the repair exceeds the IMP liability limit, the Government may order the work under the non-recurring work section of this contract; however, the Government will only be liable for the amount of cost exceeding the IMP liability limit.</p> <p>Example: If an individual occurrence of repair requires \$15,100 in direct labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct labor and/or direct material cost that exceeds the IMP limit of liability.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the work reception desk. Service trouble calls will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The IMP shall include all equipment and components of the Steam Generation Plants, Steam Distribution Systems, and Condensate Return Systems, such as, power boilers, monitoring and control systems, meters, heat exchangers, unfired pressure vessels (UPVs), pressure reducing stations, piping systems, pumps, expansion joints, valves, steam traps, supports, hangers and</p>	<p>equipment does not present any hazard or danger to personnel.</p>

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>insulation. In addition, IMP shall include corrosion control performance on all equipment and finish appearance shall match the existing coating as near as possible. The IMP shall include implementing a steam trap maintenance program to inspect, repair or replace steam traps and pipe insulation inspection and repairs based on best business practice and energy conservation methodologies. Return condensate to the boiler to maintain energy efficiency. (See Spec Item 3.1.5).</p> <p>IMP, inclusive of preventive maintenance, repair and replacement, shall be performed per ANSI Standards, OMSI, UFC-3-431-07 Boiler and UPV Maintenance and Certification and equipment manufacturer's recommendations and commercially accepted practices.</p> <p>All System malfunctions and breakdowns requiring repair or replacement shall be responded to within 15 minutes during normal working hours and within one hour after normal working hours following Contractor discovery or Government notification and worked continuously to completion.</p> <p>The Contractor shall submit a monthly IMP schedule, unaccomplished maintenance report, repair status report, and summary of maintenance and repair accomplished under the various maintenance programs report.</p>	
3.3	Inspection, Testing, and Certification Program	The Contractor shall clean and prepare for inspection certification in the	The contractor shall coordinate certification dates with the KO and the NAVAFC Boiler Inspector.	Inspection and certification plan submitted to the KO within 30 days after contract start.

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		presence of a Government certified boiler inspector to ensure boiler certification is maintained.	<p>Boiler and UPV certification per UFC 3-430-07 includes contractor preparation such as equipment cleaning, set-up, testing and restoration. The contractor shall provide necessary assistance to the NAVFAC Boiler inspection necessary to ensure boilers and UPV's are certified for operation.</p> <p>The Contractor shall arrange for intermittent inspections resulting from safety or environmental problem which would require an inspection and re-certification per UFC 3-430-07.</p> <p>The Contractor shall coordinate and establish an annual schedule for accomplishment of inspections and certifications with the KO within 30 days after contract start. An update shall be submitted whenever a schedule change occurs.</p>	<p>Inspections and testing coordinated and completed as scheduled per UFC 3-430-07.</p> <p>Boilers and UPVs can only be operated if they have been certified by a NAVFAC Boiler Inspector</p>
3.4	Other Recurring Services	The Contractor shall perform other recurring services on facilities, systems, and equipment to ensure they are fully functional and operational		<p>Systems and equipment are in an operable condition and function properly in accordance with specified standards.</p> <p>Other recurring services are completed in a timely manner.</p>
3.4.1	Calibrate Steam Meters	The Contractor shall calibrate steam meters annually to ensure meter accuracy.	<p>The Contractor shall calibrate all steam meters annually Per NAVFAC MO 220. Repair or replace meters that cannot be calibrated. Replacements shall be capable of being read remotely per the Navy Utility Metering Policy.</p> <p>The Contractor shall provide annual schedule within 30 days after contract start and annually thereafter.</p>	<p>Meters calibrated as scheduled, accurate, and operable.</p> <p>Meter calibration schedule submitted within 30 days after contract start.</p>
3.4.2	Pits and	The Contractor	The Contractor shall inspect	Pits and manholes

Section C – 1605000  
Steam

<b>1605000 - Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	Manholes	shall inspect Manholes and Pits monthly to ensure equipment is operating and pit and manholes are dry.	<p>steam pits and manholes monthly.</p> <p>The Contractor shall identify and correct all deficiencies, including sump pump operation. Where feasible, the Contractor shall ensure all pits and manholes are dry. Correct flooded conditions immediately. Inspect all steam pits and manholes within 8 hours after rainfall exceeding ½-inch in a 24-hour period.</p> <p>Inspection schedule established and provided to the KO for review within 30 days after contract award and annually thereafter.</p> <p>The Contractor shall provide the KO with a written monthly inspection report indicating pit or manhole number, date of inspection, condition, repairs performed and repairs needed that exceed the limit of liability with a detailed proposal.</p>	<p>inspected and repaired as scheduled.</p> <p>Detailed proposals are submitted for repairs that will exceed the liability limit.</p>
3.4.3	Annual Boiler Burner Evaluation	The Contractor shall evaluate the burner performance annually to ensure optimal efficiency.	The Contractor shall evaluate boiler burners to annually measure efficiency and compare to the performance of a new boiler in order to evaluate if upgrades are warranted after all recommended burner maintenance requirements have been performed and the boiler is tuned. Submit report to KO and PWD Utilities by April 30 <sup>th</sup> with findings and recommendation, including proposal for the work.	Boiler Burner evaluation submitted to KO as specified.

Section C – 1605000  
Steam

<b>1605000 – Steam</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1606000  
Water

<b>1606000 – Water</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification, Training and Licensing
2.3	Special Requirements
2.3.1	Fees, Fines, and Penalties
2.4	Records and Reports
3	Recurring Work
3.1	Operation
3.1.1	Water Quality
3.1.2	Minimum Operator Attendance
3.1.3	Operating Records, Logs, Reports and Procedures
3.2	Integrated Maintenance Program (IMP)
3.2.1	Scheduled Outages
3.2.2	Calibrate Meters
3.2.3	Cathodic Protection (CP)
3.3	Inspection, Testing, and Certification Program
3.3.1	Backflow Prevention Devices
4	Non-recurring Work

Section C – 1606000  
Water

<b>1606000 – Water</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the Raw Water Supply, Water Treatment Plant and Distribution System located at Naval Air Station Jacksonville in Jacksonville, Florida.
1.1	Concept of Operations	<p>The intent of 1606000 Water is to specify the requirements for the operation and maintenance of raw water supply, water treatment plant, and distribution systems.</p> <p>The following services are not included in this Template:</p> <ul style="list-style-type: none"> <li>• The point of demarcation is the downstream side of the water meter, facility cut-off valve, or post indicator valve. In the absence of these items, the point of demarcation is five feet from the building or structure served. All components beyond the point of demarcation are considered part of the facility and are included in 1502000, Facilities Investment.</li> <li>• Repairs to the facilities (building structures) in the water system are included in 1502000 Facilities Investment.</li> <li>• Utility locates and escort services are included in 1601000 Utilities Management.</li> </ul>

Section C – 1606000  
Water

<b>1606000 - Water</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are provided in J-1606000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the Raw Water Supply, Water Treatment Plant, and Potable Water Distribution System.
2.2.1	Certification, Training and Licensing	<p>The Contractor shall employ certified water treatment plant operators who are experienced in similar plants and systems to perform the requirements of this functional section.</p> <p>At minimum supervisors shall have a minimum of five years' experience operating water plant with similar requirements and possess or have received through reciprocity a current/valid operator's certificate equivalent to a Class A operating certification issued by the Water Works Operators Certification Board of Examiners from Florida or from reciprocity from applicable states. Certification records shall be displayed at each treatment plant.</p> <p>Each water treatment plant lead operator must possess or have received through reciprocity a current/valid operator's certificate equivalent to at a minimum the second highest water certification grade/class level issued by the Water Works Operators Certification Board of Examiners from Florida or from reciprocity from applicable states. All other water treatment plant operators must possess or have received through reciprocity a current/valid operator's certificate equivalent to at a minimum the third highest water certification grade/class level issued by the Water Works Operators Certification Board of Examiners from Florida or from reciprocity from applicable states. Certification records shall be displayed at each treatment plant.</p> <p>Personnel repairing, replacing or testing backflow preventors shall be certified by the State of Florida and the University of Florida Center for Training, Research and Education for Environmental Occupations (TREEO).</p> <p>The chemist and the laboratory analyst shall complete yearly training in order to keep the personnel updated with the latest local and Federal environmental regulations, public health concerns, laboratory procedures, and safety requirements.</p> <p>Personnel testing, servicing, and maintaining Cathodic Protection systems shall be trained in accordance with UFC and 40 CFR 280.</p> <p>The Contractor shall submit proof of all certification, training, and licensing requirements per Section F.</p>
2.3	Special Requirements	
2.3.1	Fees, Fines, and Penalties	The Contractor shall be responsible for all fees, fines, and penalties assessed by regulatory agencies if permits are violated in the course of operations or maintenance. The Contractor shall reimburse the Government for the amount of the fees, fines, penalties and all associated cost including attorney fees.
2.4	Records and	Records and reports are listed in Section F of the solicitation. The Contractor

Section C – 1606000  
Water

<b>1606000 - Water</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
	Reports	shall submit accurate and complete documents within the required timeframes.

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall efficiently operate and maintain the Raw Water Supply, Water Treatment Plant and Distribution Systems to safely produce, treat and distribute quality, reliable potable water such that all potable water demand requirements are continually met.	<p>The Contractor has full responsibility to operate, maintain, and repair the entire Raw Water Supply, Water Treatment Plant, and Potable distribution systems to provide continuous service 24 hours per day, seven days per week.</p> <p>The current Raw Water Supply, Water Treatment Plant and Potable Distribution Systems Descriptions are provided in J-1606000-02.</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages to include fire protection and fire suppression systems at no additional cost to the Government.</p>	Potable water is continuously and safely produced and distributed and meets minimum quality standards and demand requirements.
3.1	Operation	The Contractor shall operate the Raw Water Supply, Water Treatment Plant, and Potable Water Distribution Systems to efficiently and safely produce and distribute quality potable water to meet all potable water requirements, 24 hours per day, seven days per week, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient production and distribution of potable water and water in the fire protection distribution systems.</p> <p>Operation of Raw Water Supply, Water Treatment Plant and Distribution System includes equipment and system components, such as, reservoirs, wells, water storage tanks, pumps, filters, chemical treatment, valves and automatic controls, and includes tasks, such as, monitoring and regulation of equipment controls, maintaining operating records, logs, and reports, and examination, lubrication and minor adjustment of equipment and system components.</p> <p>The Contractor shall develop,</p>	Supply, Plant and Systems equipment and components are efficiently, safely and continuously operated per specified operating criteria to produce and distribute potable water and fire protection water source available at all times.

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>update, and post in clear view Standard Operating Procedures (SOPs) in accordance with NAVFAC MO 210, NAVFAC MO 117, consumptive use permits, Florida Administrative Code (FAC) Chapter 17, Local regulations, Manufacturer’s Operation and Maintenance Manuals, Florida Department of Environmental Protection (FDEP) 17-555.360, NAVMED P-5010, American Water Works Association (AWWA) M14 and M20, UFC 3-440-02N and 40 CFR Section 141 and manufacturer’s recommendations. SOPs shall be submitted per Section F.</p> <p>The Contractor shall update, maintain and edit as necessary plant drawings, diagrams and O&amp;M manual annually for the length of the contract.</p> <p>Water plants and distribution systems shall be efficiently and safely operated per NAVFAC MO 210, NAVFAC MO 117, consumptive use permits, Florida Administrative Code (FAC) Chapter 17, Local regulations, Manufacturer’s Operation and Maintenance Manuals, Florida Department of Environmental Protection (FDEP) 17-555.360, NAVMED P-5010, American Water Works Association (AWWA) M14 and M20 and 40 CFR Section 141.</p> <p>Safe operation shall ensure that all water treatment plant equipment requiring operator-attendance is staffed by trained, qualified personnel at all times of operation. The KO shall be notified immediately if unsafe conditions are discovered. The Notification of Unsafe Conditions Report shall be submitted per Section F.</p>	

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Although Whitehouse is not a permitted system, the Contractor shall operate the Whitehouse water facility as if it were permitted.</p> <p>Historically, the average potable water Gallons per Day (GPD) consumption, based on daily average for a 12 month period is:</p> <p>NAS Jacksonville: Supplied by JEA:            50,000</p> <p>Supplied by Base wells: 800,000</p> <p>Total average GPD:        850,000</p> <p>OLF/Whitehouse GPD:       360</p> <p>Operational Configuration Review: On a semi-annual basis the Contractor shall provide formal recommendations on changes to system operational configurations and relative cost of recommendation as well as cost savings by adopting recommendations.</p>	
3.1.1	Water Quality	The Contractor shall produce and distribute drinking water to ensure the specified water quality standards are met and in compliance with the regulatory operating permit and Federal, state and local regulations.	<p>Water quality shall meet all Federal, state and local authority regulations, permits, certifications and requirements, such as: NPDWR, 40 CFR Part 143 (NSDWR), Department of Health, and AWWA, as applicable.</p> <p>The Contractor shall perform routine operational sampling per SOPs to maintain drinking water quality within specified standards.</p> <p>The Contractor shall create and post boiled water notices and all clear notices on all buildings affected by service interruptions due to service main breaks, maintenance or water quality/test result issues.</p>	Drinking water quality complies with the regulatory operating permit and Federal, state and local regulations.

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The Contractor shall perform sampling and provide test results, as needed to restore potable water service.</p> <p>Minimum quantities and frequencies of on-site sampling and laboratory analyses of drinking water shall be performed per, Federal/State regulations, operating permit, approved operating and maintenance manual and OMSI.</p> <p>Minimum quantities and frequencies of off-site analyses of wastewater, generated by drinking water operations, shall be performed by an independent FL State certified laboratory which shall meet all laboratory certification requirements per USEPA for Safe Drinking Water Act and local regulations.</p> <p>If water chemistry is confirmed, through independent laboratory analyses, not to be in compliance with quality standards, the Contractor shall immediately notify the KO, COR and UEM Branch Head and adjust the water chemistry, plant operations, and/or distribution system within two days to meet all regulatory requirements and bring plant/system back into compliance.</p> <p>All laboratory analysis of water shall be reported to the Government monthly and made available for review within 4 hours of request.</p>	
3.1.2	Minimum Operator Attendance	The Contractor shall provide a sufficient number of water treatment plant operators and support personnel per shift to ensure efficient and safe operations of	<p>All personnel operating the plant shall meet the training and certification standards in Spec Item 2.2.1.</p> <p>The Water Treatment Plants at NAS Jacksonville shall be operated 8 hours a day between 0700 and 1630 during the week</p>	Minimum numbers and types of water treatment plant operators and support personnel are provided per regulatory operating permit, approved

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		equipment 24 hours per day, seven days per week.	and 4 hours a day on weekends and holidays.	<p>Operations and Maintenance Manual or other technical reference that specifies minimum or recommended staffing levels.</p> <p>All water treatment plant operators, support personnel, and supervisory operators in direct responsible charge meet training and certification requirements specified in Spec Item 2.2.1.</p>
3.1.3	Operating Records, Logs, Reports and Procedures	<p>The Contractor shall prepare, submit and maintain operating records, logs and reports for in-process tracking of plant output characteristics.</p> <p>The Contractor shall prepare and update operating procedures to reflect current operating processes and Plant and Systems configuration.</p>	<p>The Contractor shall prepare, and submit operating records, logs and reports for in-process tracking of plant output characteristics per approved operating permit, LANTNAVFACENGCOMINST 11300.4, approved SOP and UFC. The monthly Operating Records Report shall be submitted to the KO within 3 working days following the end of the month during which work is performed and shall include copies of daily operating logs, chemical content, pressure readings, chemical dosages, filter backwash frequencies, flow rates, and other laboratory records, maintenance records, corrosion tests, personnel records, emergency condition records, and operating costs. The Contractor shall modify the Operating Records, Logs and Reports, as directed by the KO, at no additional cost to the Government.</p> <p>The Contractor shall provide the reports electronically utilizing DEP FORM 62.555.900(3) alternate.</p>	<p>All required operating records, logs, reports and procedures are maintained current and complete and applicable copies provided to the KO within the specified times.</p> <p>All logs, records, reports, and data are on site for the length of time specified per local, State and Federal regulations.</p>

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The Contractor shall prepare, update, and post in clear view for operators, written Standard Operating Procedures within 30 days from contract start and five days after making changes to any Plant operating procedure, equipment and components.</p> <p>The Contractor shall submit a monthly outage report listing all scheduled and unscheduled outages that occurred during the previous calendar month. The report shall include work order number, location, cause, customers affected, date and time of outage and restoration, and outage duration.</p> <p>The Contractor shall submit a condition report of the systems to the KO weekly of repairs accomplished and any repairs or maintenance deferred along with scheduled future repairs including any material delivery dates and reasons why maintenance has been deferred.</p> <p>The Contractor shall submit a monthly production report to the KO of the volume of water produced by each water treatment plant and the volume of water received from JEA.</p>	
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for e Raw Water Supply, Water Treatment Plant, and Potable Water Distribution Systems to ensure all equipment and components are in a safe, fully functional and operational condition and to	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor's approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, job plans, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing</p>	<p>IMP is accomplished per Contractor's incorporated Program and schedule.</p> <p>When a problem or a need for repair is identified, the Contractor shall respond within 15 minutes during normal working hours or within one</p>

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		sustain maximum life.	<p>repair work.</p> <p>As part of the IMP, the Contractor is fully responsible for any individual occurrence of repair, including replacement up to the IMP limit of liability of \$15,000 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the IMP limits of liability.</p> <p>The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed above. If the estimated cost of the repair exceeds the IMP liability limit, the Government may order the work under the non-recurring work section of this contract; however, the Government will only be liable for the amount of cost exceeding the IMP liability limit.</p> <p>Example: If an individual occurrence of repair requires \$15,100 in direct labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct labor and/or direct material cost that exceeds the IMP limit of liability.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the</p>	<p>hour after normal working hours following Contractor discovery or Government notification and works continuously to completion.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>work reception desk. Service trouble calls will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>IMP shall include all equipment and components of the Raw Water Supply, Water Treatment Plant, and Potable Water Distribution Systems, such as, reservoirs, wells, water storage tanks, pumps, generators, back flow prevention devices, fire hydrants, filters, chemical treatment, valves and automatic controls, and supply, plant and distribution systems piping, etc.</p> <p>The Raw Water Supply, Water Treatment Plant and Potable Water Distribution Systems Plant consist of all building facilities used in conjunction with processing water. All facilities shall be maintained as part of the water systems, including needed maintenance and corrosion control to the facilities. In addition, IMP shall include corrosion control performance on all equipment and finished appearance shall match existing coating as near as possible.</p> <p>IMP, inclusive of Preventive Maintenance (PM) repair and replacement, shall be performed per AWWA and ANSI Standards, OMSI, equipment O&amp;M manuals, UFC 3-440-02N and equipment manufacturer's recommendations and commercially accepted practices.</p> <p>All System malfunctions and breakdowns requiring repair or replacement shall be responded to within 15 minutes during normal working hours and within one hour after normal working hours following</p>	

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Contractor discovery or Government notification and worked continuously to completion.</p> <p>The Contractor shall submit a monthly IMP schedule, unaccomplished maintenance report, repair status report, and summary of maintenance and repair accomplished under the various maintenance programs report.</p>	
3.2.1	Scheduled Outages	The Contractor shall establish a scheduled outage/service disruption plan to ensure coordination with affected buildings and customers.	<p>The Contractor shall establish a scheduled outage plan/ service disruption plan and provide to KO within 15 days after contract start. Outline the procedures and process to be followed before, during, and upon completion of the outage or service disruption. Include customer and building notification and coordination procedures, equipment preparation, operations and switching orders. Program to include a generic plan and follow-up specific plans prior to each scheduled outage or service disruption.</p> <p>The Contractor shall provide specific plans for each outage or service disruption to KO for approval five days prior to outage. Outages and service disruptions will normally be scheduled after normal working hours or weekends. In the case of Government scheduled outage, the contractor will be informed as far in advance as time permits of dates and time of outage including outages scheduled by contractor for preventive, predictive and proactive maintenance.</p> <p>The Contractor shall restart and perform operational checks on all equipment affected by the outage or service interruption. There shall be no scheduled</p>	<p>Scheduled outage plan/service disruption plan submitted to the KO within 15 days after contract start.</p> <p>No scheduled outage/service interruption without Government Approval.</p>

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			outages without customer notification and approval.	
3.2.2	Calibrate Meters	The Contractor shall calibrate meters in a timely manner to ensure accurate meters operate as intended.	<p>The Contractor shall provide annual meter calibration schedule within 30 days after contract start and annually thereafter.</p> <p>Annually calibrate production meters in accordance with the manufacturer recommendations; note that some well meters are considered production meters.</p> <p>Production meters shall be certified in accordance with FDEP and St. Johns River Water Management District requirements.</p> <p>The Contractor shall calibrate all well meters once every three years.</p>	<p>Meter calibration schedule submitted within 30 days after contract award.</p> <p>Meters are calibrated as scheduled, accurate, and operable.</p>
3.2.3	Cathodic Protection (CP)	The Contractor shall maintain, adjust, and repair CP systems to ensure compliance with NAVFAC MO Manuals.	<p>The Contractor shall develop a monthly inspection/test schedule and annual calibration schedule and submit to KO for review within 30 days after contract start.</p> <p>The Contractor shall monitor the CP systems for the elevated storage tanks and coordinate with the manufacturer's representative for any required maintenance and repair.</p> <p>The Contractor shall inspect/test monthly and record/log results at the water plant for each elevated water tower, and submit data on each tower monthly to the cathodic protection system manufacturer. The Contractor shall have the manufacturer's representative calibrate and maintain each tower's cathodic protection system once per year, and submit a report for each tower to the PWD Utilities POC.</p>	<p>Schedule submitted to the KO within 30 days of contract start.</p> <p>Testing and reading within limits of Maintenance Manuals and on schedule.</p> <p>Proper forms used for reporting.</p>
3.3	Inspection, Testing, and Certification	The Contractor shall provide backflow	The Contractor shall develop an Inspection, Testing, and Certification Program and	All certifications are current.

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	Program	prevention devices inspection, testing, and certification services to ensure they are safe, fully functional, and operational.	<p>Schedule, per section F.</p> <p>The Contractor shall submit an Inspection, Testing, and Certification Program Summary Report, per Section F.</p> <p>The Contractor shall perform any repairs up to specified maintenance program limit for repairs identified during preparation for and conduct of inspection, testing, and certification. Refer to Spec Item 3.2 for repair limits applicable to systems and equipment included in the IMP program.</p>	<p>Testing, inspection, and certification services performed and completed in accordance with the inspection, testing, and certification program and schedule.</p> <p>All BFP testing and repair records for each device are up to date and on file for the length of the contract.</p> <p>Testing, inspection, and certification services performed in accordance with applicable references.</p>
3.3.1	Backflow Prevention Devices	The Contractor shall prepare, inspect, and test backflow prevention devices to ensure they are safe, fully functional, and operational.	<p>The Contractor shall comply with inspection, testing, and certification requirements of the applicable regulatory agency and UFC-3-230-02, UG-2029-ENV, and OPNAVINST 5090.1.</p> <p>The Contractor shall provide a five working days advance notification to the KO when backflow prevention devices are ready for testing and certification for coordination with the Government provided inspector.</p> <p>The Contractor shall maintain an inventory of all BFP's on the Station and shall test, repair/replace (as needed) and certify all devices at least annually. The Contractor shall maintain all records of inventory, maintenance, repair and replacement of each BFP device on the Station electronically and submit to the KO within four hours of request.</p>	<p>Testing, inspection, and certification of backflow prevention devices performed and completed in accordance with the Inspection, Testing, and Certification Program and Schedule.</p> <p>Backflow prevention devices are certified in accordance with UFC-3-230-02, UG-2029-ENV, and OPNAVINST 5090.1.</p> <p>A complete inventory of BFP devices is maintained.</p> <p>Files on BFP are up to date and</p>

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
				include a list of all testing and repairs made to each device.

Section C – 1606000  
Water

<b>1606000 – Water</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operation
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification and Training
2.3	Work Coordination
2.4	Records and Reports
3	Recurring Work
3.1	Operation
3.1.1	Compressed Air Quality
3.1.2	Compressed Air Plant Minimum Operator Attendance
3.1.3	Operating Records, Logs, Reports and Procedures
3.2	Integrated Maintenance Program (IMP)
3.3	Inspection, Testing, and Certification Program
3.4	Other Recurring Services
3.4.1	Scheduled Outage
3.4.2	Calibrate Production Meters
4	Non-recurring Work

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment to continuously operate, maintain, and repair the Compressed Air Production, Storage and Distribution Systems located at Naval Air Station Jacksonville in Jacksonville, Florida.
1.1	Concept of Operation	<p>The intent of 1608000 Compressed Air is to specify the requirements to provide installation compressed air. Included are services; such as operating, maintaining and repairing the compressed air generation plant and distribution systems.</p> <p>The following services are not included:</p> <ul style="list-style-type: none"> <li>• Repairs to the facilities (building structures) and trouble call response for compressed air plants are included in 1502000 Facilities Investment.</li> <li>• Utility locates and escort services are included in 1601000 Utilities Management.</li> </ul>

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1608000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently operate, maintain and repair the Compressed Air Production, Storage and Distribution Systems.
2.2.1	Certification and Training	Compressed Air Production Plant Operators shall exhibit knowledge, skills and principles of Compressed Air Production, Storage and Distribution Systems. Compressed Air Production operators shall be qualified as having minimum training, certification, and experience and possess applicable state or local certification as required.  Personnel inspecting, witnessing tests, preparing reports, and issuing certificates for UPVs shall be qualified per UFC 3-430-07.
2.3	Work Coordination	The Contractor shall coordinate all maintenance and repair work and outages in a manner that minimizes the disruption of Compressed Air services.
2.4	Records and Reports	Records and reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents within the required timeframes.

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall efficiently and safely operate and maintain the Compressed Air Production, Storage and Distribution Systems to ensure all demand requirements are continually met.	<p>The current Compressed Air Production, Storage and Distribution Systems are provided in Attachment J-1608000-02.</p> <p>The Contractor shall shut-down, restart, and perform operational checks on all equipment affected by both scheduled and unscheduled utility outages at no additional cost to the Government.</p>	Compressed Air is continuously and safely produced and distributed and meet minimum quality standards and demand requirements
3.1	Operation	The Contractor shall operate the Compressed Air Production, Storage and Distribution Systems to efficiently and safely produce quality Compressed Air to meet all installation Compressed Air requirements, 24 hours per day, seven days per week, throughout the contract period.	<p>Operation consists of “watch-standing” or attendance type work by a sufficient staff of qualified persons during a specified time period to ensure safe, reliable, efficient production and distribution of Compressed Air</p> <p>Operation of Compressed Air Production, Storage and Distribution Systems includes equipment and system components, such as, air compressors, motors, tanks, monitoring and controls systems, meters (including calibration as required), valves, distribution lines, dryers, cooling towers, cooling system, pumps, cyclonic and water separators, and water softener and includes tasks, such as, continually monitoring and regulation of equipment controls, maintaining operating records, logs, and reports, and examination, lubrication and minor adjustment of equipment and system components.</p> <p>Plant and systems equipment and components shall be efficiently and safely operated per the Unified Facilities Guide Specifications (UFGS), NAVFAC MO 206, MO 209 and MO 324, UFC 3-340-07 Boiler and UPV Inspection and Certification, 29 CFR Parts 1910 and 1926, state and local</p>	<p>Plant and Systems equipment and components are efficiently, safely and continuously operated per specified operating criteria to produce quality compressed air to meet demand.</p> <p>Unscheduled interruptions are minimized such that compressed air pressure and quality demands are met 99.9 percent of the time annually.</p>

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>requirements, manufacturer recommendations, and commercially accepted practices.</p> <p>The Contractor shall establish standard operating procedures (SOP) that provide step-by-step instructions for all compressed air production and distribution system work requirements. SOP shall be established and provided to the COR for review within 30 days after contract start and annually thereafter. A hard copy of the current SOP shall be available on site at all times.</p> <p>The Contractor shall schedule planned utility outages at times of minimum customer demand and to cause minimal disruption. The Contractor shall submit requests for outages for approval a minimum of five working days in advance of the planned outage.</p>	
3.1.1	Compressed Air Quality	The Contractor shall distribute compressed air that meets minimum quality and pressure specified to meet demand.	Compressors shall be maintained and operated to provide compressed air at a pressure of 100 psig leaving the plant. Particulates greater than 2 microns shall be filtered from compressed air at the plant. Dryer dew point shall be no more than 45 degrees F.	Compressed air meets the minimum specified pressure and demand throughout the distribution system.
3.1.2	Compressed Air Plant Minimum Operator Attendance	The Contractor shall provide Compressed Air Production Plant operators in sufficient quantities of staffing per shift to efficiently and safely operate Compressed Air Production Plants at all times of operation, 24 hours per day, seven days per week, throughout the contract period.	The Compressed Air Plant is not required to be manned continuously. However, attendance visits shall be of sufficient duration to observe a complete operational cycle and perform operational checks.	Compressed Air Production Plant operators meet minimum attendance requirements specified in contractors SOP.
3.1.3	Operating	The Contractor	The Contractor shall prepare and	All required

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	Records, Logs, Reports and Procedures	<p>shall prepare, submit and maintain operating records, logs and reports for in-process tracking of plant output characteristics.</p> <p>The Contractor shall develop and update operating procedures to reflect current operating processes, Plant and Systems configuration</p>	<p>maintain daily operating logs for the compressed air plant equipment. These records shall be retained and submitted to the KO upon request.</p> <p>The Contractor shall submit a monthly outage report listing all scheduled and unscheduled outages that occurred during the previous calendar month. The report shall include work order number, location, cause, customers affected, date and time of outage and restoration, and outage duration.</p> <p>The Contractor shall submit a weekly condition report to the KO and COR of repairs accomplished and any repairs or maintenance deferred, scheduled for repairs and reason for deferred status.</p> <p>The Contractor shall submit a monthly production report to the KO listing the reading for each production meter and the amount of air produced for the month.</p> <p>The Contractor shall provide the reports electronically utilizing Microsoft Excel or other, as approved and compatible software, or format approved by the Government.</p>	operating records, logs, reports and procedures are maintained current and complete and applicable copies provided to the KO within the specified times.
3.2	Integrated Maintenance Program (IMP)	The Contractor shall develop and implement an IMP for the Compressed Air Production, Storage and Distribution Systems to ensure all equipment and components remain in optimum condition and sustain maximum life.	<p>The Contractor shall develop and submit an IMP per Section F.</p> <p>The IMP shall include the Contractor's approach for integrated maintenance, including maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, process for the identification of the need for repairs, and the process for scheduling and completing repair work.</p>	<p>IMP is accomplished per Contractor's incorporated Program and schedule.</p> <p>When a problem or a need for repair is identified, the Contractor shall respond within 15 minutes during normal working hours or within one hour after normal</p>

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>As part of the IMP, the Contractor is fully responsible for any individual occurrence of repair, including replacement up to the IMP limit of liability of \$15,000 in direct labor and direct material cost for each piece of equipment per incident. The Government will only pay for the portion of direct labor and/or direct material cost that exceeds the IMP limits of liability.</p> <p>The Contractor shall, per Annex 2, notify the KO upon identification that the repair will exceed the liability limit listed above. If the estimated cost of the repair exceeds the IMP liability limit, the Government may order the work under the non-recurring work section of this contract; however, the Government will only be liable for the amount of cost exceeding the IMP liability limit.</p> <p>Example: If an individual occurrence of repair requires \$15,100 in direct labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct labor and/or direct material cost that exceeds the IMP limit of liability.</p> <p>The Contractor shall perform all repairs, whether identified as part of their routine IMP accomplishment, QC inspections, or notification from the Government that a breakdown or malfunction has occurred.</p> <p>If the Government identifies a problem or a need for repair, the Government will contact the</p>	<p>working hours following Contractor discovery or Government notification and works continuously to completion.</p> <p>Systems and equipment are maintained and repaired to sustain a fully functional and operable condition in accordance with OEM specifications.</p> <p>When repair is complete the facility, system, or equipment does not present any hazard or danger to personnel.</p>

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>work reception desk. Service trouble calls will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.</p> <p>The IMP shall include all equipment and components of the Compressed Air Production, Storage and Distribution Systems such as, air compressors, monitoring and control systems, meters, unfired pressure vessels (UPVs), piping systems, valves, supports and hangers, condensate traps, expansion joints, anchors, air dryers, gauges, pressure regulators, cooling system and cooling towers, pumps, motors, cyclonic and water separators, and water softener.</p> <p>All System malfunctions and breakdowns requiring repair or replacement shall be responded to within 15 minutes during normal working hours and within one hour after normal working hours following Contractor discovery or Government notification and worked continuously to completion.</p> <p>IMP, inclusive of repair and replacement, shall be performed per the Unified Facilities Guide Specifications (UFGS), NAVFAC MO 206, MO 209 and MO 324, UFC 3-340-07 Boiler and UPV Inspection and Certification approved SOP, equipment manufacturer's recommendations and commercially accepted practices.</p> <p>The Contractor shall submit a monthly IMP schedule, unaccomplished maintenance report, repair status report, and summary of maintenance and repair accomplished under the</p>	

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>various maintenance programs report.</p> <p>An OEM authorized service provider shall, at a minimum, perform the following specialized semiannual and annual servicing of the air compressors; and submit a written report of findings and recommendations. A copy of the report shall be submitted to the KO within 30 days after completion of the servicing. Semiannual servicing includes controls servicing, calibration and inspection of the vibration probes, inlet valve, bypass valve, and discharge pressure transducer, checking intercooler/aftercooler performance, inspecting condensate drain valves, conducting oil analysis, checking oil level, inspecting/replacing blowdown muffler, and performing surge tests. Annual servicing includes everything listed above for semiannual servicing, plus inspecting/cleaning oil reservoir suction screens, visually inspecting/lubricating inlet and bypass valves, changing oil filters, changing oil (and corresponding cleaning of oil reservoir) if required per oil analysis results, and inspecting/cleaning impellers.</p>	
3.3	Inspection, Testing, and Certification Program	The Contractor shall clean and prepare inspect for certification in the presence of a Government certified UPV inspector to ensure UPVs certification is maintained.	<p>The contractor shall coordinate certification dates with the KO and the NAVAFAC UPV Inspector.</p> <p>UPV certification shall be accomplished per UFC 3-430-07 and NAVFAC MIL-HDBK-1152 includes contractor preparation such as equipment cleaning, set-up, testing and restoration. The Contractor shall provide necessary assistance to the NAVFAC UPV inspection</p>	<p>Inspection and certification plan submitted to the KO within 30 days after contract start.</p> <p>Inspections and testing coordinated and completed as scheduled per UFC 3-430-07 and NAVFAC MIL-HDBK-1152.</p>

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>necessary to ensure UPV's are certified for operation.</p> <p>The Contractor shall arrange for intermittent inspections resulting from safety or environmental problem which would require an inspection and re-certification per UFC 3-430-07 and NAVFAC MIL-HDBK-1152.</p> <p>The Contractor shall coordinate and establish an annual schedule for accomplishment of inspections and certifications with the KO within 30 days after contract start. An update shall be submitted whenever a schedule change occurs.</p>	No UPV operated that is not certified by NAVFAC Boiler Inspector
3.4	Other Recurring Services	The Contractor shall perform other recurring services on facilities, systems, and equipment to ensure they are fully functional and operational		<p>Systems and equipment are in an operable condition and function properly in accordance with specified standards.</p> <p>Other recurring services are completed in a timely manner.</p>
3.4.1	Scheduled Outage	The Contractor shall establish a scheduled outage/service disruption plan to ensure coordination with affected buildings and customers.	<p>The Contractor shall establish a scheduled outage plan/ service disruption plan and provide to KO within 15 days after contract start. Outline the procedures and process to be followed before, during, and upon completion of the outage or service disruption. Include customer and building notification and coordination procedures, equipment preparation, operations and switching if required. Program to include a generic plan and follow-up specific plans prior to each scheduled outage or service disruption.</p> <p>The Contractor shall provide specific plans for each outage or service disruption to KO for approval five days prior to</p>	<p>Scheduled outage plan/service disruption plan submitted to the KO within 15 days after contract start.</p> <p>No scheduled outage/service interruption without Government Approval.</p>

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>outage. Outages and service disruptions will normally be scheduled after normal working hours or weekends. In the case of Government scheduled outage, the Contractor will be informed as far in advance as time permits of dates and time of outage including outages scheduled by contractor for preventive, predictive and proactive maintenance.</p> <p>The Contractor shall restart and perform operational checks on all equipment affected by the outage or service interruption. There shall be no scheduled outages without customer notification and approval.</p>	
3.4.2	Calibrate Production Meters	The Contractor shall calibrate the two production meters every two years to ensure meter accuracy, and shall read each meter monthly.	<p>The contractor shall calibrate each production meter at the Compressed Air Plant every two years per NAVFAC MO 221. Repair or replace meters that cannot be calibrated.</p> <p>The Contractor shall provide annual calibration schedule within 30 days after contract start and annually thereafter.</p>	<p>Meters calibrated as scheduled, accurate, and operable.</p> <p>Meter calibration schedule submitted within 30 days after contract start.</p>

Section C - 1608000  
Compressed Air

<b>1608000 – Compressed Air</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring work ELINs for task listings, descriptions and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance Standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification, Training, and Licensing
2.3	Special Requirements
2.3.1	Safety
2.3.2	Permits and Licenses
2.3.3	Audits and Inspections
2.3.4	Special Vehicle Maintenance and Repair Requirements
2.3.4.1	Established Priorities
2.3.4.2	Allowable Downtime Standards
2.3.4.3	Downtime Computation
2.3.4.4	Temporary Suspensions of Downtime Standards
2.3.4.5	Excessive Repairs
2.3.5	Labor Requirements
2.3.6	Fleet Size
2.4	Records and Reports
2.5	Warranty Management
2.5.1	Certified Warranty vendor for Low Speed Vehicles (LSVs)
2.5.2	GSA Certified Vendor
2.6	Workmanship and Material Standards
2.7	References and Technical Documents
3	Recurring Work
3.1	Operations
3.1.1	Shuttle Service
3.2	Support Services
3.2.1	Dispatch Services
3.2.2	Operator Training, Testing and Licensing
3.2.3	Maintenance Support Services for GSA Leased Vehicles
3.2.4	Support Services for Received, Replaced and Reassigned GSA vehicles and Equipment
3.3	Maintenance (Government Owned)
3.3.1	New and Reassigned Vehicle and Equipment Service
3.3.1.1	BSVE Accessories and Installation
3.3.2	Preventative Maintenance, Inspection, Load Testing and Certification Support of WHE, MHE, AWP
3.3.3	Preventive Maintenance Inspections of CESE
3.3.4	Repair of CESE, WHE, MHE, AWP and OHE.
3.3.5	BSVE Trouble Calls
4	Non-recurring Work

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform Base Support Vehicles and Equipment services at Naval Air Station Jacksonville, Jacksonville, Florida and the outlying areas supported by this command.
1.1	Concept of Operations	The intent of 1700000 BSVE is to specify the requirements for a transportation program consisting of vehicles and equipment maintenance and repairs, vehicle and equipment operations to include dispatch, Weight Handling Equipment (WHE)/Material Handling Equipment (MHE), Ordnance Handling Equipment (OHE), liquid movements, people movements, operator licensing and training, inspection and certification and specified administrative program management.

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1700000-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operations within the BSVE function.
2.2.1	Certification, Training, and Licensing	BSVE operators shall comply with all Federal, state, and local laws and regulations regarding certification, training and licensing.  Weight Handling Equipment (WHE) / Material Handling Equipment (MHE), Ordnance Handling Equipment (OHE), Civil Engineering Support Equipment (CESE) operators shall comply with the standards stated in NAVFAC P-300, NAVFAC P-307, NAVSUP-538 and NAVSEA OP-2239.  Personnel working on electric vehicles shall be certified to work on the electrical components, assemblies and sub-assemblies.
2.3	Special Requirements	
2.3.1	Safety	Vehicles used for transporting ammunition, explosives, or other dangerous/hazardous material shall be marked and operated per NAVSEA OP-2239 and the rules and regulations prescribed by the Federal Motor Carrier Safety Regulations, U.S. Department of Transportation, Federal Highway Administration, Bureau of Motor Carrier Safety.
2.3.2	Permits and Licenses	The Contractor shall obtain all required permits, licenses, and authorizations to perform for the movement of overweight/oversized loads on public highways and comply with all the applicable Federal, state and local laws and regulations. The Contractor shall submit copies of Permits and Licenses per Section F.
2.3.3	Audits and Inspections	The Contractor shall provide assistance and cooperation for all authorized transportation related inspections, internal reviews, and audits conducted by the Government. The Government and other external agencies perform approximately five audits and inspections per year.
2.3.4	Special Vehicle Maintenance and Repair Requirements	
2.3.4.1	Established Priorities	The Fleet Inventories provided in Section J indicates the priority assigned to each piece of BSVE in the fleet. The Government may change the priorities of up to 10% of the BSVE without a contract modification. The Contractor shall perform maintenance and repair in accordance with the timeframes established in the following priorities:  <u>Priority 1</u> Generally, Priority 1 BSVE includes emergency vehicles (ambulances, fire trucks, police sedans and pickups), utility boom bucket trucks, Weight Handling Equipment (WHE)/Material Handling Equipment (MHE), Ordnance Handling Equipment (OHE) and automobiles assigned to Commanding Officers and their staffs. However, the KO may designate Priority 1 work without regard to the type of vehicle use. Work on BSVE in

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>this category shall start immediately after being reported down or received in the shop during regular working hours, and within two hours after regular working hours. In the event BSVE will be down more than 24 continuous hours, the Contractor shall notify the KO of the reason for the delay, action being taken to shorten the delay, and the estimated day and hour BSVE will be returned to service. Excluding such delays, the Contractor shall work uninterrupted (24 hours per day, seven days per week) until maintenance/repair is complete.</p> <p><u>Priority 2</u> Generally, Priority 2 BSVE includes designated buses, automobiles assigned to base tenant activity staffs, emergency service vehicles, cranes, and MHE. However, the KO may designate Priority 2 work without regard to the type of vehicle use. Work shall be <del>complete</del>started on BSVE in this category within two hours after being reported down or received in the shop during regular working hours, and within four hours after regular working hours. In the event BSVE will be down more than 48 continuous hours, the Contractor shall notify the KO of the reason for the delay, action being taken to shorten the delay, and the estimated day and hour BSVE will be returned to service. Excluding such delays, the Contractor shall work uninterrupted (24 hours per day, seven days per week) until maintenance/repair is complete.</p> <p><u>Priority 3</u> Work shall be <del>complete</del>started on BSVE in this category within one working day after being reported down or received in the shop.</p>
2.3.4.2	Allowable Downtime Standards	<p>The Contractor shall manage the overall maintenance effort so BSVE downtime does not exceed the allowable downtime standards specified herein. For the purpose of computing downtime, regular working hours is defined as eight hours per day, Monday through Friday, except observed Federal holidays. Downtime shall be measured by individual Shop Repair Order as well as by Allowable Downtime by Individual Alpha Group.</p> <p>Downtime per Shop Repair Order: Downtime hours per shop repair order shall not exceed the Allowable Individual Downtime by Alpha Code specified in J-1700000-03.</p> <p>Downtime per Individual Alpha Group: Downtime hours per individual alpha group shall not exceed 10% of the total available hours per individual alpha group per month (invoice period). For any given alpha group, the total hours of availability per month equals the total number of units in the group times the number of regular working hours per month.</p>
2.3.4.3	Downtime Computation	<p>Downtime computation shall start immediately when a vehicle is reported down; regardless of the Priority identified.</p> <p>Any time period that BSVE is returned to the Contractor for rework shall be included in the downtime computation. Any time period BSVE is under the control of the Government shall not be included in the downtime computation. If the Government elects to have work performed by other than the Contractor, any downtime associated with such performance will not be included in the downtime computation. When computing downtime, fractions of hours shall be rounded to the nearest hour (less than 30 minutes = 0, 30 minutes or more = one hour).</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>Examples of downtime computation for individual Service Repair Order:</p> <p>Scenario 1:</p> <p>Background: N9812345 is a Low Speed Vehicle with an EC of 0905 and under the Alpha Code Z (LSV) and is a Priority 3 asset.</p> <p>Situation: The Asset is reported down at 10:00 hours on April 1, 2016 and the Work Order was completed at 09:00 hours on August 3, 2016. The asset is returned without any Downtime infraction.</p> <p>Scenario 2:</p> <p>Background: N9812456 is a Low Speed Vehicle with an EC of 0905 and under the Alpha Code Z (LSV) and is a Priority 3 asset.</p> <p>Situation: The Asset is reported down at 10:00 hours on April 1, 2016 and the Work Order was completed at 12:00 on April 4, 2016. The asset is returned without meeting the allowable downtime by Individual Alpha Code for an individual service repair order. (Work Order exceeded the 24 maximum allowable hours for individual Alpha Code Z (LSV).</p> <p>Examples of downtime per Individual Alpha Group:</p> <p>1) Available Hours = number pieces of equipment per Individual Alpha Code * eight hours per day * number of working days in the month.</p> <p>Example: 50 pieces of equipment identified within Alpha Code Z * eight hours per day * 21 working days in April 2016 = 8,400 Available Hours.</p> <p>2) Downtime Hours = 10 pieces of equipment identified within Alpha Code Z had 400 total hours of downtime.</p> <p>Percentage of Alpha Code Z Downtime: 400 total hours of downtime / 8,400 Available Hours = 4.8 % of Downtime</p>
2.3.4.4	Temporary Suspensions of Downtime Standards	<p>When the Contractor experiences a delay in material receipt that will cause the individual unit downtime of a particular unit to exceed the allowable time, the Contractor shall submit a Temporary Suspension of Downtime Accumulation per Section F. Written requests shall include a copy of a purchase order showing the material order date and expected delivery date, and information demonstrating the lack of required material is beyond the Contractor's control.</p> <p>Downtime suspensions will not be approved if the material in question should have been stocked in adequate quantities to meet expected demand was not ordered to allow for adequate vendor lead times, or if the shipping method used to transport the material causes/contributes to the delay.</p> <p>If granted, suspension of downtime accumulation will only cover the period from the date/time the Contractor's written request was provided to the KO to the date/time the material is received. The Contractor shall notify the KO</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		immediately upon receipt of the material, and provide written documentation showing date and time of receipt.
2.3.4.5	Excessive Repairs	<p>The one-time repair limits set forth in Appendix F of NAVFAC P-300 do not apply. The Contractor shall perform all repairs, regardless of the cost of the repair or age of the BSVE.</p> <p>Any BSVE that exceeds NAVFAC P-300 life expectancies shall be maintained as if it were in its last year of life expectancy. For example, an eight-year old BSVE Code (EC) 0313 pickup truck shall receive the same level of maintenance as a six-year old pickup truck.</p>
2.3.5	Labor Requirements	Chilton Labor Guide, Mitchell Mechanical Parts/Labor Estimating Guide, or similar estimating sources shall be used for determining the number of flat rate hours required to complete the scope of work. Total labor cost will be determined by totaling the number of flat rate hours and then multiplying by the flat rate hour unit price.
2.3.6	Fleet Size	<p>Fleet size shall be based upon the actual quantity of equipment in the fleet at a given time, and is not a cumulative total of the equipment maintained throughout the contract. The number of BSVE may vary as much as 5% without a contract modification.</p> <p>The contract inventory will be adjusted semiannually based on actual inventory that has been in the Governments CMMS for a minimum of 60 days. Each modification shall reset the 5% variance allowance.</p> <p>Contractor acquired equipment provided to offset non-availability when the Contractor exceeds maximum allowable downtime standards shall not be considered additions to the fleet.</p> <p>Each item of equipment pending removal from the fleet, and its designated replacement, shall be counted as a single unit for inventory purposes while the replacement unit is prepared for service (e.g., corrosion protection, equipment installation, marking, and record establishment). Repairs to keep equipment safe and reliable while pending disposition shall be required.</p>
2.4	Records and Reports	<p>The Contractor shall maintain BSVE, CESE, AWP, MHE, and WHE records and reports in accordance with NAVFAC P-300, NAVFAC P-307 and NAVSUP 538. Such records include the following:</p> <ol style="list-style-type: none"> <li>a. Individual vehicle/equipment history jackets</li> <li>b. Accident damage repair estimates</li> <li>c. Vehicle repair status</li> <li>d. Annual safety and reliability inspection checklists</li> <li>e. Enter/maintain monthly mileage report from activity in MAXIMO</li> </ol> <p>The Contractor is responsible for validation, accountability and accuracy of CESE, MHE, and WHE documents and CMMS data fields. Records shall conform to the directives set forth by NAVFAC HQ, NAVFAC-SE, and CMMS reference guides. All physical and digital records are subject to Navy Audit's and evaluations. The Contractor shall ensure reports and data are accurate, on time and completed in the Governments Computerized Maintenance Management Systems on a daily basis.</p> <p>The Contractor shall submit BSVE Availability Reports per Section F. At a minimum, BSVE Availability Report shall include the USN, ECC, Make, Model, justification for BSVE, MHE, or WHE is out of service, and the date and time it will be returned to service.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		The Contractor shall submit accurate and complete documents within the required timeframes per Section F.
2.5	Warranty Management	<p>The Contractor shall provide Warranty Management in accordance with the requirements identified in Annex 0200000.</p> <p>The start date of warranties is assumed to be the birth certificate date of each vehicle.</p> <p>The Contractor shall be responsible for transporting vehicles under warranty to and from the applicable repair facility where the warranty work will be performed.</p>
2.5.1	Certified Warranty vendor for Low Speed Vehicles (LSVs)	<p>The Contractor may at their own option, become a Certified Warranty vendor for LSVs.</p> <p>If the Contractor elects to perform the Warranty Work the contractor is responsible for collecting payment for the work from Vendors. The cost of this work shall not be included in the Recurring Work Portion of this contract.</p>
2.5.2	GSA Certified Vendor	<p>The Contractor may at their own option, become a GSA Certified Maintenance Vendor.</p> <p>If the Contractor elects to perform the GSA Fleet maintenance and repairs, the contractor is responsible for collecting payment for the work through the GSA normal process. All GSA Fleet Vehicles has an assigned Commercial GSA Credit Card. The cost of this work shall not be included in the Recurring Work Portion of this contract.</p>
2.6	Workmanship and Material Standards	<p>The Contractor shall be responsible for maintaining all BSVE (to include CESE, WHE, MHE and support equipment), identified in this technical sub-annex to a standard that prevents deterioration beyond that which results from normal wear and tear and corrects deficiencies in a timely manner to assure full life expectancy of the BSVE (to include CESE, WHE, MHE and, and support equipment). Best commercial practices shall be applied in the performance of work. All work shall be completed per approved equipment manufacturers' and accepted industry standards and shall comply with safety codes, applicable activity, local, state, and federal regulations, and other technical requirements identified within this technical sub-annex.</p> <p>Workmanship for maintenance and repair shall include all work necessary to safely return BSVE (to include CESE, WHE, MHE and support equipment) to service, including corrosion control and operational checks. Workmanship includes repair of coating systems damaged during maintenance or repair. Upon completion of work, the Contractor shall ensure all BSVE (to include CESE, WHE, MHE and support equipment) are free of missing components or defects which would affect the safety, appearance or operation of the BSVE (to include CESE, WHE, MHE and support equipment) or would prevent any electrical, mechanical, or structural system from functioning in accordance with design intent. Repairs shall be made in accordance with the manufacturers' specifications and guidelines. The quality of repairs shall meet the applicable standards and shall prevent any malfunction reoccurrences caused by poor workmanship or other contractor inadequacies. The quality of the repaired areas shall be fully compatible with adjacent surfaces or equipment. Except where otherwise specified, replacements shall match existing components and interior and exterior paint/coating in</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
		<p>dimensions, finish, color, design, and functionality and shall have an appearance similar to the original finished appearance with only minor unobjectionable deterioration resulting from normal use.</p> <p>The Contractor shall not allow debris to spread unnecessarily into adjacent areas nor accumulate in the work area. All such debris, excess material, and parts shall be cleaned up and removed at the completion of the job and at the end of each day work is in progress. Upon completion of work, any stains and other unsightly marks shall be removed.</p> <p>The Contractor shall secure and organize all tools, equipment and materials (used and un-used); to prevent loss and ensure a clean and safe working environment in the immediate working area as well as all adjacent areas. The Contractor shall adequately secure all material stored on cranes and other vehicles and equipment to prevent injury from overhead falling objects and debris.</p> <p>Detailed Appearance Standards are provided in J-1700000-09.</p>
2.7	References and Technical Documents	References and Technical Documents are listed in J-1700000-02.

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall develop and implement a comprehensive industrialized transportation program consisting of CESE, MHE, and WHE management, operations, maintenance, repair, and alteration to ensure efficient, safe and reliable CESE, MHE, and WHE services such that all CESE, MHE, and WHE requirements are continually met.	<p>The Contractor shall comply with federal, state, local regulations, applicable instructions, publications, manuals, directives, manufacturer’s specifications and recommendations.</p> <p>GSA Fleet Inventory is provided in J-1700000-04.</p> <p>CESE Fleet Inventory is provided in J-1700000-05.</p> <p>Material Handling Equipment (MHE) Fleet Inventory is provided in J-1700000-06.</p> <p>Weight Handling Equipment (WHE) Fleet Inventory is provided in J-1700000-07.</p> <p>WHE Monthly Checklist provided in J-1700000-08.</p>	<p>CESE, MHE, and WHE management, operation, maintenance, repair and alteration services comply with federal, state, local regulations, applicable instructions, publications, manuals, directives, manufacturer’s specifications, and recommendations.</p> <p>CESE, MHE, and WHE are safe, reliable and CESE, MHE, and WHE requirements are continually met.</p>
3.1	Operations	The Contractor shall operate BSVE to ensure supplies and personnel are transported and requested services are performed.	<p>Provide the proper vehicles, equipment, materials, licensed personnel and, tools for the work requested.</p> <p>Operations shall include operations within a 200 mile radius of NAS Jacksonville, to include shuttling personnel, transporting baggage and equipment to and from Jacksonville International Airport.</p>	<p>Operation functions are performed with the proper equipment and within designated time in a safe and efficient manner.</p> <p>Operators are properly qualified and licensed</p> <p>Permits are obtained prior to scheduled performance.</p> <p>Vehicles and equipment markings are in compliance.</p>
3.1.1	Shuttle Service	The Contractor shall provide shuttle services to ensure passengers are picked up and dropped off at designated	<p>Buses shall be operated in accordance with DoD 4500.36R and NAVFAC P-300.</p> <p>The Contractor shall provide three operators to operate two Government buses and one 5 ton</p>	<p>Passengers are picked up and dropped off at designated locations, and transported in an appropriate, safe,</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		locations, and transported in an appropriate, safe, and timely manner.	<p>enclosed truck.</p> <p>The Contractor shall shuttle personnel between NAS Jacksonville, Cecil Commerce Center, NAVSTA Mayport and Jacksonville International Airport.</p> <p>Historically, services have been required after Government regular working hours on every Friday, every other Tuesday and averaged approximately 89 hours per month.</p>	<p>and timely manner.</p> <p>Buses are clean and in safe operating condition, and heat/air conditioning is working properly.</p> <p>The special needs of handicapped passengers are met.</p>
3.2	Support Services	The Contractor shall provide BSVE support services to ensure that the service requirements are met.		Support services are performed in an efficient, accurate, and timely manner.
3.2.1	Dispatch Services	The Contractor shall provide dispatch services for C-Pool assets to ensure vehicles and equipment are dispatched in a timely manner.	<p>The Contractor shall provide dispatching services during Government regular working hours to support customer requirements.</p> <p>Dispatch Process and Procedures are provided in J-1700000-10.</p> <p>Dispatch Process and Procedures are reviewed and updated periodically. The Contractor shall implement any future versions of Dispatch Process and Procedures at no additional cost to the Government.</p> <p>Permissible Operating Distance (POD) requests shall be approved by the Government.</p> <p>Upon delivery of commercially leased equipment the Contractor shall inspect the equipment for safety and appearance. The Contractor shall note any discrepancies and reject all equipment that does not meet safety or appearance standards. At the time the equipment becomes available the</p>	<p>Dispatch service is provided during Government regular working hours.</p> <p>CESE, MHE, and WHE are assigned in compliance with activity instruction.</p> <p>Dispatch clean, safe, reliable, fueled, and properly suited vehicles within specified time periods.</p> <p>NAVFAC Forms 11260/4, 9-11240/13, SF-91 and Equipment Dispatch Logs are accurate, complete and available for review (electronic and/or hardcopy) with four hours of request.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Contractor shall contact the customer and complete the dispatching as required.</p> <p>Vehicles and equipment dispatched are inspected at check-out and check-in, and discrepancies are noted by the operator on NAVFAC Form 11260/4, NAVFAC Form 9-11240/13 or Operator's Inspection and Trouble report, as applicable.</p> <p>The Contractor shall ensure compliance with GSA Fleet Guide and Accident Reporting.</p> <p>In the event the Government's CMMS is not operational; Vehicles and equipment shall be dispatched with the required Motor Equipment Utilization Record DD Form 1970 provided in J-1700000-11. The Contractor shall enter all manual dispatches in the Government's CMMS within one business day at the time the system becomes operable.</p> <p>Vehicles to be dispatched shall include C-Pool vehicles to include vehicles acquired through the Short Term Rental Program.</p> <p>Ensure that Class C-Pool, and Rental vehicles are for use by Government personnel only.</p> <p>The Contractor shall ensure operators complete SF-91 if involved in an accident.</p> <p>Historically, approximately 445 C-Pool Dispatches have been performed annually.</p>	Completed customer comment cards submitted to the KO weekly.
3.2.2	Operator Training, Testing and Licensing	The Contractor shall provide operator training, testing and licensing services	The Contractor shall provide operator training, testing and licensing services for all military and Government civilian personnel who will be operating	Training, testing and licensing is performed in accordance with applicable

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		to ensure all licensed activity personnel who will be operating CESE or WHE/MHE are fully qualified.	<p>Civil Engineering Support Equipment (CESE), Weight Handling Equipment (WHE) or Material Handling Equipment (MHE).</p> <p>Operator testing services shall include written and operational testing.</p> <p>License applicants will provide proof of appropriate physicals and credentials.</p> <p>Training, testing and licensing is performed in accordance with NAVFAC P-300 for CESE operators, NAVFAC P-307 for WHE operators and NAVSUP P-538 for MHE operators. Prepare operator-licensing jackets in accordance with NAVFAC P-300, NAVFAC P-307 and NAVSUP P-538. Operator licensing jackets shall be provided to the KO and COR within four hours of request.</p> <p>The Contractor shall maintain training files and notify the KO and certifying official 90 days prior to expiration of license.</p> <p>Historically, approximately 700 Licenses have been issued annually.</p>	<p>regulations.</p> <p>Appropriate license is issued within 24 hours of passing testing requirements.</p> <p>Records are accurate and available within four hours of request.</p>
3.2.3	Maintenance Support Services for GSA Leased Vehicles	The Contractor shall coordinate and schedule required maintenance and repairs with a GSA Certified Vendor; to ensure maintenance is kept up to date and repairs are performed expeditiously.	<p>The Contractor shall transport vehicle to and from the service provider and return vehicle to Transportation Department.</p> <p>A commercial Fleet Services card will be issued for each GSA vehicle and shall be used by the Contractor for the purchase of fuel and minor maintenance and repair services.</p> <p>The Contractor shall submit a GSA Mileage and Fuel Usage Report per Section F.</p> <p>The Contractor shall ensure</p>	<p>Vehicles are picked up from the customer and dropped off at the MCC or service provider and returned to the customer as scheduled.</p> <p>Records and Reports are updated in the Government CMMS.</p> <p>Mileage and fuel</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>preventive maintenance, repairs, recalls and warranty work is performed at the intervals specified by GSA, Fleet MCCs and approved service providers.</p> <p>Prepare and submit Shop Repair Orders in Government CMMS for all work performed on vehicles and equipment and maintain copies in each history file.</p> <p>Unscheduled repairs must be authorized by the MCC.</p> <p>GSA Fleet Inventory is provided in J-1700000-04</p>	<p>usage reports submitted as required.</p> <p>Preventive maintenance is performed at the intervals specified by GSA, Fleet MCC's and approved service providers.</p>
3.2.4	Support Services for Received, Replaced and Reassigned GSA vehicles and Equipment	Provide Support Services for Newly Received, Replaced and/or Reassigned GSA Vehicles and Equipment; to ensure satisfactory operation.	<p>The work includes GSA vehicles and Equipment for Government use.</p> <p>The contractor shall pick up and drop off newly received, reassigned and replaced GSA vehicles and equipment at the GSA staging Area. The contractor shall also perform other in-service and turn-in duties to include vehicle preparation and administrative functions.</p> <p>For received vehicles and equipment:</p> <p>Establish new History Jacket, perform an in-service Shop Repair Order (SRO); perform an initial safety inspection; if problems identified, prepare a Quality Deficiency Report.</p> <p>Clean windows; ensure the installation of all parts/equipment shipped with vehicle; ensure all fluid levels and tire pressures; Spare Keys shall be locked and secured with history jacket.</p> <p>Pick up new vehicles from the GSA staging area and complete in-service preparation within two working days of notification of</p>	<p>New Vehicles and Equipment is picked up and Replaced Vehicles and Equipment are dropped off at GSA Staging Area.</p> <p>History Jackets are established.</p> <p>New vehicles and equipment are delivered and serviced on time.</p> <p>Reassigned vehicles are serviced as required.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>arrival.</p> <p>Ensure the presence of technical and parts manuals and ensure that accident reporting kits are in each GSA vehicle and coordinate all warranty requirements with the manufacturer or leaser.</p> <p>For GSA Reassigned Vehicles and Equipment:</p> <p>Ensure that the vehicle is up to date with Preventative Maintenance requirements.</p> <p>Note: The amount of GSA replacements may vary from year to year; however the Government anticipates an estimated average of 20 assets per year.</p>	
3.3	Maintenance (Government Owned)	The Contractor shall maintain, repair and alter Government owned vehicles and equipment to ensure they are in fully operational condition.	<p>The Contractor shall submit an annual and a monthly Maintenance Schedule per Section F.</p> <p>The Contractor shall perform preventative maintenance, repairs, safety and condition inspection, testing, and certification, and provide engineer support services as required on CESE, WHE, MHE, and Aerial Work Platforms (AWP) in accordance with the manufacturer's specifications and recommendations, NAVFAC P-300, NAVFAC P-307, NAVSUP P-538, applicable ANSI Standards (e.g.; ANSI 92.2 etc.), and NAVSEA SWO23, NAVFSEA OP5, AH-WHM-010.</p> <p>The Contractor shall manage the overall maintenance effort so equipment downtime does not exceed the allowable downtime standards.</p> <p>Maintenance and repair functions are performed in accordance with manufacturer</p>	<p>Monthly maintenance schedule provided as required.</p> <p>Adequate parts are available to expedite maintenance repairs.</p> <p>Records, data, and reports are accurate and completed in the Government's CMMS.</p> <p>Downtime Standards and Vehicle Priority Standards are met.</p> <p>Shop Repair Orders are accurate and completed in the Government's CMMS.</p> <p>Vehicles and equipment are properly marked in accordance with</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>specifications and recommendations,</p> <p>Prior to proceeding with any single maintenance or repair estimated to exceed the Recurring work limits of liability specified below. Selective exchange of parts between vehicles and/or equipment must be authorized by the KO.</p> <p>Ensure adequate parts are available to expedite maintenance repairs in order to meet allowable downtime standards.</p> <p>Maintain on site, and update hard copies of documents filed at the Transportation Maintenance Technical Library for Government owned and Other Leased Vehicles and Equipment.</p> <p>Properly mark vehicles and equipment as required so that vehicle identification markings are clear and visible at all times in accordance with NAVFAC P-300 and P-307</p> <p>Maintain vehicle and equipment history files (hardcopy) for life of all units serviced under this contract.</p> <p>Prepare and submit Shop Repair Orders in Government CMMS for all work performed on vehicles and equipment and maintain copies in each history file.</p> <p>CESE, MHE, WHE and are maintained in accordance with OEM recommendations.</p> <p>Provide all tools, testing equipment, technical training and technical related data necessary to service and maintain new or used vehicles</p>	<p>NAVFAC P-300, NAVFAC P-307 and NAVSUP 538.</p> <p>Maintenance and repair functions are performed in accordance with manufacturer specifications and recommendations, NAVFAC P-300, NAVFAC-P307, NAVFAC-P301 and NAVSUP 538.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>and equipment throughout the contract. The Government may replace vehicles and equipment throughout the contract with newer units, which may change in mix, manufacturer, model, and types. The Contractor is responsible for in-service and maintaining these replaced units under the requirements.</p> <p>An individual occurrence of repair shall include all repairs identified by a single inspection. A single inspection includes but is not limited to the Operator’s Daily Checklist (ODCL), Operator Trouble Report, Preventive Maintenance (PM) inspection, Crane Condition Inspection Report (CCIR) and the Maintenance Inspection Specification Record (MISR).</p> <p>As part of corrosion control the Contractor shall prepare, refinish surfaces, and apply protective coatings and under-coating as required to prevent corrosion. Materials and application shall meet or exceed OEM specifications. Repairs shall meet workmanship standards of Spec Item <del>2</del>2.6.</p> <p>The Contractor shall provide the required information to fill out the SF-120 for BSVE beyond economical repair.</p> <p>The Contractor shall provide and issue a Customer Comment card to the Customer when BSVE maintenance or repair is performed.</p> <p>The Contractor shall input a Service Request Order and a Work Order in the Governments CMMS. The Work Order shall include actual labor hours, labor cost and material costs as well as all data fields in accordance with</p>	

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			the Government CMMS requirements in Annex 0200000 and Annex 1700000.	
3.3.1	New and Reassigned Vehicle and Equipment Service	The Contractor shall perform new and reassigned vehicle and equipment services on all new and reassigned used vehicles added to the fleet to ensure proper and safe operation.	<p>The Contractor shall perform new and reassigned vehicle and equipment services. The Contractor shall develop the vehicle and equipment history jacket(s) in accordance with NAVFAC P-300, NAVFAC P-307 and NAVSUP 538. The contractor shall perform any repairs discovered in initial inspection, testing in accordance with Spec Item 3.3.4</p> <p><u>New Vehicles</u> Prepare history jacket, Preventive Maintenance (PM) record, and initial new service SRO; perform an initial safety inspection; clean windows; install parts/equipment shipped with vehicle; apply corrosion preventive compounds and under-coating, if not applied by the manufacturer; service all fluid levels and tire pressures; and apply appropriate vehicle markings as required. Spare Keys shall be locked and secured with history jacket.</p> <p><u>Reassigned Used Vehicles</u> Service includes (if needed or within 30 days of scheduled PM) an oil change, tune-up, lube, reliability inspection, and repair of any deficiencies noted during the required inspections. Spare Keys shall be locked and secured with history jacket.</p>	<p>Required services are correctly performed and completed within three working days.</p> <p>Records, Reports and data are accurate, on time and complete in the Governments CMMS</p>
3.3.1.1	BSVE Accessories and Installation	The Contractor shall install, remove, and/or re-install BSVE accessories to ensure accessories are installed in accordance with the manufacturers' recommendations and BSVE are safe	The Contractor shall install, remove, and/or re-install BSVE accessories. Accessories includes but are not limited to sirens, radios, lights, light bars, brackets, tow hitches, safety tow chains, weapons rack, pickup canopies, fenders, guards, and other accessories, and components as requested.	<p>Accessories are properly installed within three working days of request..</p> <p>BSVE are returned safe, operable condition.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		and fully operational.	<p>Accessories will be provided by the Government for BSVE modifications and updated accessory installation.</p> <p>Historically, approximately 10 BSVE Accessories and Installation have been performed annually with a single vehicle having multiple accessory installations. Removal and installation is considered one occurrence of BSVE Accessories and Installation.</p>	
3.3.2	Preventative Maintenance, Inspection, Load Test and Certification Support of WHE, MHE, AWP. .	The Contractor shall perform Maintenance (Preventative, Interim), Inspection, Testing, and Certification of all WHE, MHE and AWP to ensure equipment is maintained in a safe and fully operational and certified condition at all times.	<p>The Contractor shall inspect, test, and certify all WHE, MHE, and OHE at least annually and after an adjustment, repair, replacement, or alternation/modification of a load bearing or load controlling part in accordance with NAVFAC P-300, NAVFAC P-307, NAVSUP 538, NAVSEA OP-5 and the equipment manufacturer's instructions and manuals.</p> <p>The Contractor shall provide an updated monthly PM/Certification schedule to include 100% of the identified WHE, MHE, OHE no later than the 25<sup>th</sup> calendar day of the previous month for PM's due the following month.</p> <p>The Contractor shall submit a Maintenance Inspection Specification and Record for WHE to the KO for approval. Conduct condition inspection for WHE in accordance with NAVFAC P-300 and P-307.</p> <p>The Contractor shall perform preventative maintenance, interim maintenance and perform repairs found necessary as a result of any inspection/test, and/or maintenance deficiency.</p> <p>The Contractor shall support all</p>	<p>Maintenance, Inspection and testing are performed per NAVFAC P-300, NAVFAC P-307, and the equipment manufacturer's instructions and manuals as specified.</p> <p>Certification is current and posted on equipment in full view of operator; copy provided to KO and a copy placed in history file within two working days.</p> <p>Repairs are identified and performed.</p> <p>Testing and certification are completed as per the Contractor's Schedule.</p> <p>Rigging Gear is provided, tested and maintained in accordance with NAVFAC P307.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>related audits, evaluations, safety and condition inspections, and investigations from authorized Government audits and pre-audits. The Contractor shall perform tasks such as rigging, operator, test director and inspector duties; ensuring all equipment and program requirements are in full compliance; providing report responses within 20 days of report receipt in proper format and address all findings and observations with sound recommendations for correcting all discrepancies.</p> <p>Corrosion control inspection and prevention measures shall be performed as part of Preventive Maintenance. Corrosion Areas that existed prior to the PM and identified during the inspection shall be considered a repair.</p> <p>The Contractor shall submit a Schedule for Testing and Certification of the equipment listed the Fleet Inventories provided in Section J, per Section F. Testing and Certification Qualifications, including names and qualifications of Contractor personnel performing load testing certification shall be submitted per Section F. Post certifications signed by the certifying official on equipment after completion of Annual Load Test and in full view of operator with copies provided to the KO.</p> <p>The Contractor shall perform Monthly Operators Check List (MOCL) on all bridge cranes. The Contractor shall perform repairs found necessary as a result of any safety and condition inspection/test. The Government will be the Certifying Officer.</p>	SROs are accurate and complete.

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>The Contractor shall submit a Maintenance Inspection Specification and Record for WHE to the KO for approval. Conduct condition inspection for WHE in accordance with NAVFAC P-300 and P-307.</p> <p>Government provided test weights per J-020000-xx used for testing and certification shall be stored maintained. The contractor shall account for each weight and record location throughout the year. Provide log and status showing location of all weights in CMMS. Certify weights per NAVFAC P-307 within 90 days start of contract. Any Additional test weights required shall be at expense of the contractor.</p> <p>The Contractor shall provide and test all rigging gear and equipment required for testing per NAVFAC P-307. The Contractor shall provide and maintain a sufficient inventory of slings, straps, and lifting devices. All rigging equipment shall comply with the NAVFAC P-307 requirements. Maintain a serialized record of slings and lifting devices. The contractor shall test all new slings and lifting devices per the NAVFAC P-307 and destroy all unsafe slings and lifting devices.</p>	
3.3.3	Preventive Maintenance Inspections of CESE	The Contractor shall perform preventive maintenance (PM) inspections, including safety and reliability inspections for automotive vehicles and equipment, to ensure safe and proper operation.	<p>The Contractor shall submit a PM Schedule per Section F.</p> <p>PM shall be performed up to 14 calendar days prior to the due date if the equipment is in the shop for any other reason.</p> <p>Unless otherwise specified PM inspections and any related repair work shall be completed within three working days after BSVE is received, except where</p>	<p>Preventive maintenance schedule submitted as required.</p> <p>All checkpoints correctly completed.</p> <p>Safety and operational deficiencies found are corrected using</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>the criteria for Priority 1 or 2 applies.</p> <p>Incidental repairs identified during Preventative Maintenance shall be performed in accordance with Spec Item 3.3.4.</p> <p>Corrosion control inspection and prevention measures shall be performed as part of Preventive Maintenance. Corrosion Areas that existed prior to the PM and identified during the inspection shall be considered a repair.</p> <p>PM’s intervals for vehicles shall be performed at least annually during the safety/reliability inspection. However, additional PM’s may be performed if the vehicle exceeds more than 6,000 miles or 200 hour from the safety/reliability inspection or as specified by the manufacturer or as specified by the manufacturer for city driving. If the mileage/hour meter or annual safety/reliability inspection are within 60 calendar days of each other the more stringent type service shall be performed. The Contractor shall affix a PM “Inspection Due” sticker with the current month plus one year on the inside windshield of the vehicle upon completion.</p> <p>Perform required inspection testing and certification for applicable equipment requiring certification in accordance with OEM, NAVFAC-P300 and NFPA.</p> <p>The Contractor shall wash and wax all vehicles when annual PM is performed. Upon return from dispatch rental vehicles shall be washed as needed or at least every quarter, and as specified or scheduled.</p>	<p>accepted quality standards and manufacturer’s recommendations.</p> <p>Work completed by date scheduled.</p> <p>SROs are accurate and completed in the Government’s CMMS.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>																						
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>																		
			<p>Construction equipment as defined in the NAVFAC P-300 shall be cleaned in their entirety when each PM is performed.</p> <p>All work shall be in accordance with the NAVFAC P-300, NFPA and OEM standards.</p> <p>All safety and / or operational deficiencies addressed.</p>																			
3.3.4	Repair of CESE, WHE, MHE, AWP and OHE.	The Contractor shall perform body, fender, and mechanical repairs to ensure BSVE are safe, operational, and present a sightly appearance.	<p>The Contractor has full responsibility for any individual occurrence of repair, including replacement, and incidental repairs during a PM, up to and including the Recurring Work limits of liability for labor and materials specified below for each piece of equipment per incident.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">GROUP</th> <th style="text-align: center;">Limit of Liability</th> </tr> </thead> <tbody> <tr> <td>Slow Moving Vehicles (Up to 3,500 lb. GVWR)</td> <td style="text-align: center;">\$2,500</td> </tr> <tr> <td>Light Duty (Up to 10,000 lb. GVWR) Excludes WHE</td> <td style="text-align: center;">\$2,500</td> </tr> <tr> <td>Medium Duty (10,001 - 20,000 lb. GVWR) Excludes WHE</td> <td style="text-align: center;">\$3,500</td> </tr> <tr> <td>Heavy Duty (20,001 lb. GVWR and up) Excludes WHE</td> <td style="text-align: center;">\$6,500</td> </tr> <tr> <td>WHE Trackage</td> <td style="text-align: center;">\$500</td> </tr> <tr> <td>WHE (Up to 2,000 lb. Capacity)</td> <td style="text-align: center;">\$1,000</td> </tr> <tr> <td>WHE (2,001 to 7,000 lb. Capacity)</td> <td style="text-align: center;">\$2,500</td> </tr> <tr> <td>WHE (7,001 to 25,000 lb. Capacity)</td> <td style="text-align: center;">\$4,500</td> </tr> </tbody> </table> <p>Repairs in excess of Recurring Work Limits of Liability</p>	GROUP	Limit of Liability	Slow Moving Vehicles (Up to 3,500 lb. GVWR)	\$2,500	Light Duty (Up to 10,000 lb. GVWR) Excludes WHE	\$2,500	Medium Duty (10,001 - 20,000 lb. GVWR) Excludes WHE	\$3,500	Heavy Duty (20,001 lb. GVWR and up) Excludes WHE	\$6,500	WHE Trackage	\$500	WHE (Up to 2,000 lb. Capacity)	\$1,000	WHE (2,001 to 7,000 lb. Capacity)	\$2,500	WHE (7,001 to 25,000 lb. Capacity)	\$4,500	<p>CESE, WHE, MHE and OHE are returned to safe, operable condition.</p> <p>SROs are accurate and completed in the Government's CMMS.</p> <p>Downtime Standards and Vehicle Priority Standards met.</p>
GROUP	Limit of Liability																					
Slow Moving Vehicles (Up to 3,500 lb. GVWR)	\$2,500																					
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Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>specified may be ordered under the Non-Recurring Work portion of the contract.</p> <p>Example: If an individual occurrence of repair for a Medium Duty (10,001 - 20,000 lb. GVWR) requires \$3,600 in direct flat rate labor and/or direct material cost, the Government may issue a task order in accordance with the non-recurring work portion of the contract for the \$100 in direct flat rate labor and/or direct material cost that exceeds the recurring work limit of liability.</p> <p>The one-time repair limits set forth in Appendix F of NAVFAC P-300 do not apply. The Contractor shall perform all repairs, regardless of the cost of the repair or age of the BSVE.</p> <p>Any BSVE that exceeds NAVFAC P-300 life expectancies shall be maintained as if it were in its last year of life expectancy. For example, an eight-year old BSVE Code (EC) 0313 pickup truck shall receive the same level of maintenance as a six-year old pickup truck.</p> <p>Corrosion control repairs shall be performed as part of any BSVE repair. Any corrosion repair to load bearing or load controlling components is included in this spec item and subject to the Contractor's Recurring Work limit of liability for repair. Any corrosion repair that prevents the CESE, MHE, and WHE from being certified and safely returned to service is included in this spec item and subject to the Contractor's Recurring Work limit of liability for repair.</p> <p>Perform Crane Safety</p>	

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>Advisories, Equipment deficiency memorandums and Alteration and Modifications in accordance with Safety Bulletins and Navy Crane Center direction. The contractor shall provide engineering support which fully complies with certification and alternation/modification requirements</p> <p>The contractor shall provide vehicle accident repair services and support.</p> <p>The Contractor shall maintain an accident/abuse log that will contain the minimum: vehicle registration number, date &amp; time reported to maintenance, description of damage, unit and cost of repair. Vehicle Accident Reports shall be submitted per Section F. The contractor shall repair upon approval from the KO.</p>	
3.3.5	BSVE Trouble Calls	The Contractor shall accomplish trouble calls in the shop and/or in the field to ensure BSVE, including transient equipment, to safe and operational condition.	<p>The Contractor shall respond to disabled BSVE within a 200 mile radius of the NAS Jacksonville.</p> <p>BSVE trouble call repairs consists of repairs such as battery replacement, tire repair, wiper replacement, engine jump-starts, emergency refueling, and other minor repairs or service necessary to return vehicles and equipment to safe operation. Also includes towing into shop, field service, and installation/repair of specialized equipment.</p> <p>The Contractor may invoice for completed BSVE Trouble Calls. The Contractor shall not invoice for BSVE Trouble Calls incomplete BSVE Trouble Calls and BSVE Trouble Calls not issued. A modification will be process at the end of each period</p>	<p>Disabled BSVE are responded to within 30 minutes during Government regular working hours and within 60 minutes after Government regular working hours.</p> <p>BSVE are returned to safe, operable condition.</p>

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			of performance to deduct for BSVE Trouble Calls not completed and not issued. Deduction will be based on the unit prices specified in Attachment J-0200000-13 ELINs.	

Section C – 1700000  
BSVE

<b>1700000 – Base Support Vehicles and Equipment</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring Work ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>	
<b>Spec Item</b>	<b>Title</b>
1	General Information
1.1	Concept of Operations
2	Management and Administration
2.1	Definitions and Acronyms
2.2	Personnel
2.2.1	Certification, Training, and Licensing
2.3	Special Requirements
2.3.1	Laboratory Accreditation and Certification
2.4	Training Requirements
2.4.1	SPCC Training
2.4.2	Indoctrination and Environmental Awareness Training
2.4.3	Spill Response Training
2.5	Spill Drill Participation
2.6	References and Technical Documents
3	Recurring Work
3.1	Oil and Regulated Substance Spill Response and Cleanup Ashore
3.1.1	Oil and Regulated Substance Spill Containment
3.1.2	Oil and Regulated Substance Spill Cleanup and Disposal
3.1.3	Oil and Regulated Substance Spill Reporting and Documentation
3.2	Storm Water Monitoring
3.3	Cleaning and Inspection Services
3.3.1	Cleaning Services
3.3.2	Ventilation Duct Inspections
4	Non-recurring Work

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform environmental services at Naval Air Station Jacksonville, Florida; Outlying Field Whitehouse Jacksonville, Florida, and Cecil Field Commerce Center Jacksonville, Florida and outlying areas supported by these commands.
1.1	Concept of Operations	The intent of 1800000 Environmental is to specify the Environmental requirements which primarily consist of the following services: management, collection and disposal of regulated material, regulated waste and other regulated waste; oil and regulated substance spill response, cleanup and disposal; sampling, testing and laboratory services; and groundwater and storm water monitoring. The following services are not considered Environmental and are not in scope of this contract: collection, disposal and recycling of non-regulated waste are included in 1503030 Integrated Solid Waste Management; water and sewage treatment are included in 1604000 Wastewater and 1606000 Water; and waterborne spill response and cleanup are included in 0600000 Port Operations.

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1800000-01.
2.2	Personnel	The Contractor shall provide personnel with the training, qualifications, technical knowledge, experience and skills required for efficient operations within the environmental function.
2.2.1	Certification, Training, and Licensing	The Contractor shall provide a written training plan and documentation of training for all personnel to demonstrate technical proficiency per Section F. Demonstration of proficiency must take place within established guidelines that are documented in applicable regulations, policies, instructions and Laboratory Quality Assurance Manual.
2.3	Special Requirements	
2.3.1	Laboratory Accreditation and Certification	Only laboratories that have appropriate credentials can perform testing. In the absence of certification requirements, laboratories must be accredited for each applicable test method by a nationally recognized laboratory accreditation body, an accrediting authority approved by the National Environmental Laboratory Accreditation Program (NELAP) or the American Association for Laboratory Accreditation (A2LA) operating in accordance with ISO/IEC 17011:2004.
2.4	Training Requirements	
2.4.1	SPCC Training	<p>The Contractor shall provide initial and follow up training for all employees working at SPCC Tank Sites and Fuel Oil Storage and Handling Facilities. Keep records on site available for inspection up to 5 years. Turn records over to Installation Environmental Program Manager at end of contract. Submit training records annually in October. Training shall include requirements to read and understand the applicable portions of the SPCC Plans.</p> <p>Initially, the employees working at SPCC sites shall be required to sign the “User Acknowledgement Sheet” included in the plans and forward forms to IEPM and KO, signifying that the employees understand their responsibilities concerning spill prevention and SPCC regulations as well as a review of all previous spills at the site including the causes; instructions on spill reporting to the KO; or designated person and initial response procedures. A review of all spill prevention and response procedures shall be conducted annually unless otherwise indicated by the Base SPCC Plan for employees working at SPCC sites and fuel oil storage and handling facilities. The annual training shall also include a review of the SPCC plan, discussions of recent spills and feedback from employees as to the current condition of storage and handling procedures at the oil storage facilities. All copies of training documentation shall be submitted to IEPM and KO annually.</p>
2.4.2	Indoctrination and Environmental Awareness Training	The Contractor shall conduct employee indoctrination and annual environmental awareness training to all employees. Indoctrination and awareness training shall include HM and HW management, recycling, solid waste disposal, storm water BMPs, general housekeeping procedures, fueling procedures, spill prevention and response, and natural resources. All site personnel shall receive annual and refresher training and training records are maintained on site for five years. Employees identified as the Environmental Manager, spill response team member, HW coordinator, or as a qualified individual for a specific program must obtain the necessary training certifications required to fulfill the position assigned. Training records must be maintained and available for inspection.

Section C- 1800000  
Environmental

		Training shall include requirements for implementing 40 CFR 112, the Base's SPCC Plans, the Base's Storm water Pollution Prevention Plan (SWPPP) and OPNAVINST 5090.1 series, and 5090.4 series.
2.4.3	Spill Response Training	The Contractor shall train Spill Response Leader(s) and certify per 29 CFR 1910.120 (q), Level 5 Incident Commander, Leader(s) shall have at least two years' experience as a team leader or member of a spill response team. Team members shall be trained and certified per 29 CFR 1910.120 (q), Level 4 HAZMAT Specialist. The Leader and team shall be thoroughly familiar with the Base's Facility Response Plan. Submit Leader and team members in writing with qualifications to the KO within 15 working days after contract start. OSOT members may come from normal work force provided they meet the training requirements.
2.5	Spill Drill Participation	The Contractor shall participate in each base RS spill drills for response, clean up, and containment. Type and frequency of drills are shown in J-1800000-02.
2.6	References and Technical Documents	References and Technical Documents are listed in J-1800000-03.

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Recurring Work	The Contractor shall perform environmental services to support the installation's environmental programs to ensure compliance with applicable Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	<p>The Contractor shall comply with all Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance such as those listed in the References and Technical Documents in J-1800000-03.</p> <p>If environmental related procedures or operations are found to be out of compliance the Contractor shall immediately notify the KO and the Installation Environmental Program Director with recommendations for appropriate action.</p> <p>Regulatory compliance and adherence to policies, instructions and guidance, may be determined by planned sampling, validated customer complaints and documented citations if applicable.</p>	<p>Services are performed in required timeframe and in compliance with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p> <p>No documented citations such as NOV, NON, warning letters or citizen suits due to Contractor's non-performance, mismanagement or negligence.</p> <p>All deficiencies noted in internal compliance inspection corrected in a timely manner.</p>
3.1	Oil and Regulated Substance Spill Response and Cleanup Ashore	The Contractor shall provide oil and regulated substance (OHS) spill response and cleanup to minimize damage to property or risk of human exposure and to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	<p>The Contractor shall comply with all oil and regulated substance spill response and cleanup Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance such as:</p> <ol style="list-style-type: none"> <li>(1) OPNAVINST 5090.1</li> <li>(2) DoD Instruction 4715.4</li> <li>(3) DoD Publication 4715.5-G</li> <li>(4) NAS JAX and NFD Integrated Facility Response Plan (FRP)</li> <li>(5) 40 CFR 1910</li> <li>(6) 40 CFR 112</li> </ol> <p>NAS Jacksonville's Fire Department act as Facility Incident Commander (FIC) for shore based spills and receives initial spills reports.</p> <p>The Contractor shall contain, clean up, and report all spills on Government property (including spills caused by Government, Contractor, Subcontractors, and other Contractors at NAS Jacksonville in a</p>	<p>Oil and regulated substance spill response and cleanup complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p> <p>Spill response, containment, and cleanup equipment is inspected and inventoried annually. Report quantities and deficiencies for each location per Section F. Oil Rollers are lubricated annually.</p>

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>manner that complies with applicable federal, state, and local laws and regulations or otherwise stated herein, and NAS Jacksonville’s SPCC plan, Facility Response Plans (FRP), OPNAVINST 5090.1 series.</p> <p>The Contractor is responsible for RS spill clean-up for spills less than 55 gallons of a RS and/or up to 30 cubic yards of contaminated soil regardless of how the spill originated. The Contractor is responsible for all costs associated with Oil and Regulated Substance Spill Response, Clean-up and disposal of waste. Historically, there have been 30 spill response requirements each year.</p> <p>RS includes any regulated substance regulated by environmental regulations such as regulated and non-regulated wastes, regulated materials, recyclables, and Toxic Substance Control Act (TSCA) material. RS does not include radioactive, medical and infectious wastes and materials, weapons and explosives. Spill response, containment, and cleanup will be for spills that occur on ground surfaces, in or on soil, in facilities, and in HW treatment storage and disposal facilities.</p> <p>The Contractor shall manage and dispose of the waste from cleanup in accordance with OPNAVINST 5090.1 series and Annex 0200000, Spec Item 2.10.2 Environmental Protection.</p> <p>The Contractor shall comply with the instructions of the cognizant Navy Medical/Safety Department with respect to avoidance of conditions which create a nuisance or which may be hazardous to the health of military or civilian personnel. The generator of the waste from cleanup will be the Commanding Officer of the respective base where the clean-up occurs. The Commanding</p>	

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			Officers hold the EPA Identification (I.D.) numbers for HW disposal (except for housing managed under PPV contract). The Contractor is expected to use to full advantage the equipment provided by the Government.	
3.1.1	Oil and Regulated Substance Spill Containment	The Contractor shall contain spills to minimize damage to property and risk of human exposure, and to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	<p>The Contractor shall coordinate with the installation’s Facility Incident Commander when responding to spills.</p> <p>All RS spill response cleanup services, either caused by the Contractor or the Government, are subject to the terms and conditions of the Facility Response Plans (FRP) and OPNAVINST 5090.1 series and the procedures defined in this section.</p> <p>Spill response, containment, and cleanup will be for spills that occur on ground surfaces, in or on soil, in facilities, and in HW treatment storage and disposal facilities. Provide containment and cleanup assistance in the St Johns River only when directed by Contracting Officer.</p> <p>The Contractor shall be available to respond to spills 24 hours a day, seven days a week and provide primary and alternate contact information including contact names and phone numbers.</p> <p>Report emergencies to the Regional Dispatch Center (RDC) upon emergency notification and validating the emergency situation.</p>	<p>The Contractors spill response team is on-site and working within 15 minutes during regular working hours and within two hours during nonworking hours. Notification to be received from the NAS JAX Fire Department or CDO.</p> <p>A spill assessment is provided to IEPM and the FIC within 30 minutes of onsite arrival during regular working hours and within one hour of start of the next business day during nonworking hours.</p> <p>Spill containment complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p>
3.1.2	Oil and Regulated Substance Spill Cleanup and Disposal	The Contractor shall clean up spills to minimize damage to property or risk of human exposure and to ensure the installation complies with	<p>The Contractor shall provide analytical testing and dispose of material as following:</p> <ul style="list-style-type: none"> <li>• Rainwater: Discharge uncontaminated rainwater to the ground surface, sanitary sewer system, or storm water system.</li> <li>• Used Oil or Non-Petroleum Spill or</li> </ul>	Spill cleanup and disposal complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.	<p>Leak Material. All cleanup material shall be characterized based on User Knowledge or available MSDSs, if source of spill is unknown; it shall be tested for the presence of regulated constituents prior to disposal and disposed of as non-regulated or regulated waste depending on the analytical results.</p> <ul style="list-style-type: none"> <li>• Petroleum Product Spill or Leak Material: Dispose of petroleum-contaminated material per all federal, state and local regulations. The material shall be disposed of through NAS Jacksonville Part B Facility. All spill or leak material shall be containerized and labeled per 40 CFR 262 and 264</li> </ul>	No incident of spread of contamination outside the containment area due to Contractor non-performance, mismanagement or negligence.
3.1.3	Oil and Regulated Substance Spill Reporting and Documentation	The Contractor shall provide spill response documentation to ensure the installation complies with Federal, state and local statutes and regulations, and with DoD policies, instructions and guidance.	<p>The Contractor shall provide required documentation such as Site Health and Safety Plans (SHSP): Submit the SHSP when required with all available information required by 29 CFR 1910.120 (b) and 1910.120 (c) to the FIC prior to the start of field activities unless directed otherwise by the Contracting Officer via the KO.</p> <p>The Contractor shall submit spill reports to IEPM once clean-up operations are complete. Report to detail personnel involved with cleanup, field observations, method of cleanup, and amount of waste generated during cleanup operations.</p>	<p>Spill response documentation is provided to the installation within two working days after cleanup is complete.</p> <p>Spill documentation complies with Federal, state and local statutes and regulations, and with DoD and Navy policies, instructions and guidance.</p>
3.2	Storm Water Monitoring	<p>The Contractor shall provide storm water monitoring and reporting services to ensure the installation complies with the existing Storm water Monitoring Plan.</p> <p>The Contractor shall institute best management practices (BMPs); general</p>	<p>Comply with 40 CFR 122, NAS JAX Storm Water Pollution Prevention Plan (SWPPP), Multi-Sector General Permit, Municipal Separate Storm Sewer System Permit (MS4) and any other storm water permits.</p> <p>BMPs are listed in the SWPPP.</p> <p>Services include visual examination of storm water quality, BMP inspections, and reporting of results.</p> <p>Conduct quarterly BMP inspections and turn in completed BMP Checklist to IEPM.</p>	<p>Inspection, sampling, transport and analysis are performed in accordance with Storm water Monitoring Plan requirements.</p> <p>Samples are collected and analyzed in accordance with the schedule included in the Storm water</p>

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
		<p>housekeeping, and training for storm water monitoring and pollution prevention for Contractor operated facilities and Contractor operations as per the Base's Storm Water Pollution Prevention Plans.</p> <p>Contractor shall provide storm water training data and submit quarterly to IEPM.</p>	<p>Provide a plan of action and milestones (POAM) to correct problems found during the quarterly inspection along with a cost estimate for work required.</p> <p>The Contractor shall conduct and document weekly visual inspections of Contractor operated facilities and work sites.</p> <p>Visually inspect areas around all equipment that has the potential of leaking or causing a spill, areas where spills and leaks have occurred in the past, material storage and handling areas, HW staging areas and storm water drain areas for evidence of pollutants entering the drainage system. All inspections shall be documented in a log noting when the inspection was done, who conducted the inspection, what areas were inspected, what problems were found, steps taken to correct any problems including who has been notified to correct the deficiency, and when the problem has been corrected. All information pertinent to field inspections and sampling shall be recorded in a Field Logbook and maintained in accordance with the Storm Water Monitoring Plan.</p> <p>The plans are in accordance with the United States EPA's Final rule, 40 CFR 122.26; regarding National Pollutant Discharge Elimination System (NPDES) storm water permitting. This section is not meant to replace or delete any requirements already stated in the SPCC section but to state additional requirements for storm water management and pollution prevention.</p> <p>Nothing shall be disposed of, or allowed into the storm water system except storm water. Prohibited discharges include, but are not limited to oil, antifreeze, Aqueous Film Forming Foam (AFFF),</p>	Monitoring Plan.

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			<p>detergents, bleach, mop water, dumpster drainage, or vehicle wash water.</p> <p>The Contractor shall take one storm water sample for each of the five designated storm water outfall quarterly and analyze visually. Analyze each sample for odor, turbidity, color, oil sheen, foam, suspended solids, floating solids, and settled solids. Samples shall be taken during a qualifying rain event of a minimum of 0.1 inches of precipitation, following a 72 hour period of no precipitation. Sample shall be taken within 30 minutes of the start of storm water runoff (storm water system discharge).</p> <p>The Contractor shall submit quarterly Visual Monitoring Report for each outfall.</p> <p>Notify IEPM whenever a significant pollutant indicator is observed in a sample and retain suspect sample. NAS Jacksonville quarter starts in January.</p> <p>The Storm Water Monitoring Plan is provided in J-1800000-04.</p>	
3.3	Cleaning and Inspection Services	The Contractor shall clean and inspect designated areas to ensure areas are clean, waste is removed and properly disposed of and ventilation ducts are safe, fully functional and operational.	<p>The Contractor shall develop and implement a pit, trench and tank cleaning and ventilation duct inspection program and submit to the KO for review within 30 calendar days following start of contract performance.</p> <p>Cleaning and inspection services shall be performed after Government regular working hours.</p> <p>The Contractor shall complete cleaning and inspection services within 96 hours of notification.</p> <p>Waste disposal shall comply with collection and disposal requirements in Annex 0200000 and this annex.</p> <p>The Contractor shall coordinate</p>	<p>Pit, trench and tank cleaning and ventilation duct inspection program submit to the KO for review within 30 calendar days following start of contract performance. Cleaning work is coordinated with Fleet Readiness Center Southeast Facility Managers and Environmental Division.</p> <p>Waste is packaged, labeled and properly disposed</p>

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			waste drum delivery and pick-up with the Fleet Readiness Center Southeast Facility Manager and Environmental Division.	of.
3.3.1	Cleaning Services	The Contractor shall clean designated areas to ensure areas are clean, waste is removed and properly disposed of.	<p>The Contractor shall clean designated areas described in J-1800000-05 within 90 days of the previous cleaning to remove debris, paint sludge, paint remover and other chemicals. The Contractor shall pressure wash, scrape and scrub paint waste and other chemicals from designated areas. Work will be performed in confined spaces with materials which include barium, chromium, strontium, and possibly lead. The Government will provide waste profiles.</p> <p>Preventive Maintenance on Sump Pumps identified in Sub-annex 1502000 Spec Item 3.2 shall be performed in conjunction with cleaning services.</p>	Designated areas are cleaned per Contractor's program and schedule.
3.3.2	Ventilation Duct Inspections	The Contractor shall inspect ventilation ducts in building 101S to ensure ventilation ducts are safe, fully functional and operational.	<p>The Contractor shall inspect ventilation duct to ensure vent cover integrity (grout seals intact and in good working order) for six ventilation ducts, located in building 101S. Inspections shall be performed semiannually in conjunction with wastewater conveyance, trench and basket strainer cleaning.</p> <p>Inspections shall be performed in accordance with the NAS Jacksonville Permit, Appendix 1 – Sub-Part X Miscellaneous Unit Interim Source Removal Plan contained in the Permit Application.</p> <p>Inspection results shall be provided to the Fleet Readiness Center Southeast Environmental Point of Contact. The results of the inspection shall include a checklist (provided by Fleet Readiness Center Southeast) that covers all six vent covers, the date and time of the inspection, and the signature of the inspector. Photos of each of the six vent covers shall be included with inspection results and supporting</p>	<p>Ventilation Duct Inspections are performed semi-annually.</p> <p>Inspection results and supporting documentation are submitted per Section F.</p>

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			documentation.	

Section C- 1800000  
Environmental

<b>1800000 – Environmental</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	Non-recurring Work	Non-recurring work may be ordered utilizing DoD EMALL/ FEDMALL in accordance with Section H or on a task order in accordance with the PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.	Refer to Non-recurring work ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for non-recurring work will be the same as those in Spec Item 3 where applicable.	