

SPECIFICATION for a
Vertical Lift Storage Systems (Shop 67R)

Project #788-872

11 Aug 2016

1 SCOPE

This specification reflects those characteristics that are essential to the minimum needs of the government for a Vertical Lift Storage System (Shop 67R). The scope of work shall include the complete set-up, operational testing and training of the system as specified herein. It is the government's intent that a single (primary) contractor be awarded this contract and be responsible for the accomplishment of all work detailed by this specification.

2 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on the date of an invitation for bids or a request for proposals shall apply.

2.1 SAFETY REQUIREMENTS

- Safety Requirements For The Puget Sound Naval Shipyard And Intermediate Maintenance Facility (PSNS & IMF), Bangor Site

A copy of this document is attached to this specification (See Enclosure 1).

2.2 ADDITIONAL SAFETY REQUIREMENTS In addition to the safety requirements specified in Paragraph 2.1, the following is requisite:

2.2.1 The equipment and its component parts shall be in compliance with applicable CFR 29, Part 1910 Regulation and Standards. By definition, any equipment will be deemed acceptable and approved by PSNS&IMF if it meets specific OSHA conditions outlined in OSHA Part 1910; Subparts "O" and "S". Specifically, equipment will be "Accepted" by PSNS&IMF if it has been inspected and found by a Nationally Recognized Testing Laboratory (NRTL) to conform to specified plans or procedures of applicable codes.

2.2.2 Prior to delivery, installation, and acceptance, the contractor shall provide an OSHA compliance report (see Enclosure 1, para. b. Compliance with OSHA) documenting tests and evaluations performed. Failure to provide this report will delay acceptance of the equipment and may result in rejection for failure to comply with the terms of this contract (see Enclosure 1 for specific OSHA Compliance Report content).

2.3 ENVIRONMENTAL COMPLIANCE REQUIREMENTS

- Environmental Compliance Requirements For The Puget Sound Naval Shipyard And Intermediate Maintenance Facility (PSNS & IMF), Bangor Site

2.4 GENERAL ENVIRONMENTAL REQUIREMENTS

2.4.1 Hazardous Material Control shall include the following:

2.4.1.1 Estimated Contractors Hazardous Material Inventory (CHMI) Table provides quantities of each hazardous material to be used on this project. Copies of all SDS's will be submitted to the Base Environmental Office (BEO) and be kept on site where the work is being performed.

2.4.1.2 Contractor shall not use Hazardous Material (HM) composed of any of the following chemicals or substances: Leads, chromium, mercury, phenols, trichloroethylene, chlorofluorocarbons, halon, PCBs, asbestos, silica sand (for use as blasting agent), Class I ODS, radioactive materials or instruments capable of producing ionizing radiation, and chemicals listed in 40 CFR 355.50 Appendix B.

2.4.1.3 If additional HM is required for this project, an SDS shall be submitted to the BEO for approval before the HM is brought on board Naval Base Kitsap Bangor. The contractor shall not bring on board Naval Base Kitsap Bangor any HM until approved by the BEO. All containers of hazardous material shall be resealed, placed in a secure area while on base, and transported off base for reuse of material at other contractor projects. The Contractor shall not generate any contractor generated hazardous or dangerous waste on this project.

2.4.2 Waste Control shall include the following:

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2.4.2.1 A trained individual from the shop with a current Waste Originator certification must be present for each shift that hazardous waste is produced.

2.4.2.2 The shop shall submit completed NBK Bangor Waste Information Specification (WIS) forms for all waste, hazardous and non-hazardous, expected to be encountered during the course of this project. The BEO will provide final waste designation along with WIS instructions. If additional wastes are produced after this plan is approved, waste is encountered not identified, or changes occur to waste streams that have already been assigned a WIS number, a new or updated WIS's for each waste stream must be submitted to the BEO for designation.

2.4.2.3 A hazardous waste label must be affixed to the appropriate container upon the first addition of waste. If more than 55 gallons of Dangerous Waste (DW) or 1 quart of Extremely Hazardous Waste (EHW) is produced, the date must be filled in on the label. All containers must be under the control of the shop and located in the same area the waste is generated.

3 REQUIREMENTS:

3.1 **GENERAL DESCRIPTION OF SYSTEM** - This specification covers the minimum government requirements for two complete Vertical Lift Storage Systems. The contractor shall provide a durable industrial grade laptop computer, custom software, etc. necessary to operate as a stand-alone system.

3.2 **WORK INCLUDED** - The Contractor shall be responsible for the following:

- Design, manufacture, test and groom all equipment required to provide two complete system, in accordance with the requirements specified herein.
- All shipping, crating, and rigging costs associated with the transport and delivery of the equipment specified herein.
- Installation in our facility of the specified equipment with the features identified in this specification. This includes connection of both systems to required available utilities.
- Complete documentation and organization of all technical data which applies to the operation, maintenance, repair and testing of the specific equipment.
- Provide training to personnel on the proper operation and maintenance of the installed equipment and its component parts.

3.3 **WORK NOT INCLUDED** - The government/receiving activity will provide:

- Air, electrical and other utilities services as required for the proper operation of the equipment unless otherwise stated herein.

3.4 **CONDITIONS OF SERVICE AND PERFORMANCE** - The following service and operational conditions shall apply to the equipment delivered under this specification.

3.4.1 **Environmental Conditions** - The specified equipment shall be designed to operate in a non-air conditioned manufacturing building in an industrial environment.

- Temperature Range: 15 to 110 °F
- Relative Humidity: up to 100% Non-Condensing

3.4.2 **Electrical** - The proposed system shall not require more than 60 AMPS (48 Amps computed FLA) of 480 VAC, 3-phase, 60 Hz electrical power, in its fully configured and operational state.

3.4.3 **Compressed Air** - Compressed air available for air-actuated mechanisms is 90 pounds per square inch gage and 100 cubic feet per minute (nominal). If the proposed system requires more air than indicated above, the excess capacity shall be provided as part of the equipment. Any proposed compressed air system shall include a regulator(s) and a filter(s) with an automatic drain.

3.5 **GENERAL EQUIPMENT REQUIREMENTS:**

3.5.1 **Standard, Off The Shelf Components** - All materials and parts comprising the system shall be new, of current design and manufacture, and shall not have been in prior service except as required for factory testing. Standard, off the shelf components with proven reliability shall be used wherever possible to increase performance

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reliability and reduce costs. The system components shall be one of the manufacturer's current production models which, on the day this solicitation is issued, has been designed, engineered and sold, or is being offered for sale through advertisements or manufacturer's published catalogs or brochures. System components such as a prototype unit, pre-production model, or experimental unit DO NOT qualify as meeting this requirement. The system shall be complete, so that when connected to the utilities identified herein, it can be used for the function for which it is designed and constructed.

3.5.2 **Painting** - All surfaces shall be painted in conformance with the manufacturer's standard practices and good workmanship. Painting shall result in a highly wear-resistant finish, which guarantees continued protection to the surfaces covered against the specified environment under all service conditions. The manufacturer's standard color shall be provided. Lead base or chromium base paints are prohibited.

3.5.3 **Caution - Warning Plates** - Corrosion resistant "Caution" or "Warning" plates shall be securely attached to system components in visible locations, with any safety precautions to be observed by the operator or maintenance personnel permanently marked on the plates.

3.5.4 **Identification Plate** - An identification plate shall be furnished with each system. A nameplate shall be affixed to the system, showing the manufacturer's name, equipment model, year of manufacture, and any other pertinent information for identifying the part as a unique component of the system.

3.5.5 All **Electrical Components** including motors, starters, relays, switches, and wiring shall conform to and be located in accordance with the applicable NFPA, NEMA, and ANSI standards for the intended application.

3.5.5.1 **Motors** - Motors (if required) shall be rated for continuous duty. Motors shall be equipped with ball bearings of the sealed and permanently lubricated type. All electrical motors shall meet NEMA-MG1 requirements.

3.5.5.2 **Power Disconnect** - A lockable power disconnect box shall be provided and installed on the equipment.

3.6 **EQUIPMENT TO BE PROVIDED - One (1) Vertical Lift Storage System (Hanel Lean Lift, Model # 2460-825/75/800/60 or equal)** to include the following minimum (or similar) technical features (all dimensions +/- 3 inches):

3.6.1 The maximum exterior dimensions of the storage system (so it shall fit in an existing warehouse space) shall be 111" wide, 111" deep and 219" high. All sides of the system shall be enclosed, and powder coated in tan (or similar compatible color).

3.6.2 The system shall have the capability to store parts/tooling, with 22 pans. Each pan shall have a width of approximately 97", a depth of approximately 33". Each pan shall have a payload capability of at least 1,760 lbs.

3.6.3 Slotted dividers shall be provided. This shall include 6 sets of 5 inch slotted perimeter dividers, and 60 front to back slotted dividers

3.6.4 Each pan shall be galvanized steel, un-slotted with an approximate 1" double floor.

3.6.5 The extractor for the system shall be driven by a four corner chain drive system (for durability and proper alignment/guidance of the extractor). The extractor's design shall eliminate tilting/skewing of shelves/containers during movement.

3.6.6 The front and back storage locations for the system shall have the capability to automatically adjust for optimum storage of parts. The pans/storage locations shall have supports that are positioned approximately every 3 inches, to allow for storage flexibility of various height parts. The system shall automatically adjust the shelf/container height, performed via an advanced microprocessor, and on-board height sensing feature. This shall occur without the need for mechanical or electronic adjustments, and without operator intervention (allowing for optimal storage of parts). The system shall have an optimization feature that allows the fastest moving/most used parts are stored closest to the access opening.

3.6.7 Self-monitoring LVS light curtain shall be installed on the system at the operator access opening. This shall provide safety features that protect the operator from injury when the shelf/container is moving. This feature shall stop the shelf/container from moving, when an operator's hand/arm is in danger of injury. A Multi-layer safety system with safety bypass system must provide redundant systems for all safeties, height sensors, positioning, and

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memory to eliminate down time. The system must provide at least 8 fail-safe overrides to ensure continuous operation that are easily activated by the operator via micro-processor control system.

3.6.8 An operator station for the system shall be provided that is easy to use, to store/retrieve stored parts. The system shall have soft starts and stops. The operator work surface height shall be approximately 35 inches, with an access opening clear height of approximately 29 inches. The Microprocessor control system (mounted on a swivel arm) shall be a full-color touch-screen control and keypad with integrated real-time data browser, providing part and description search, order details, and space utilization information. Firmware-based unit, with no moving parts, utilizing industrial-grade compact flash memory that is insensitive to dust, dirt, and extreme temperature ranges, to provide high data security with no need for connection to a computer. Provide inventory control features as a standalone unit and can be easily interfaced with external devices such as barcode reader, ID badge readers, and printer. Individual username/password controlled access with the ability to define access to certain shelves. Transaction logging feature shall provide data on the date, time, processing user, transaction type, quantity transacted, and affected storage location of each pick or put-away process. The control system shall include part number, description, and minimum inventory level file download, saving the manual entry of information. The system shall be capable of processing kitting or job requests. It shall have the capability to send information to a laptop or printer.

3.6.9 The system shall have a lockable sliding door(s), with keys shall be provided (so stored parts can be secured).

3.6.10 The system specified herein shall be provided with an emergency stop button at the operator's station. This stop button shall be the mushroom type, shall be colored red, and shall be labeled as such. When activated, the emergency stop button shall disconnect all electrical power to the equipment such that the all operations or functions will immediately stop or cease.

3.6.11 The system shall have an operator LED lighting system shall be provided (i.e. full width LED lighting)

3.6.12 The system shall operate on 480 VAC, 3 phase power. An electrical power lockable disconnect box for the system shall be provided and installed by the contractor in the vicinity of the storage system.

3.6.13 Quality and durable construction of all system components shall be proved on the system. The system structural components shall be rigid and stable.

3.6.14 Operations Journal Logging – which shall allow for tracking each transaction (storage to a new location, storage to an existing location, and retrieval).

3.6.15 Item Pool Management – which shall allow descriptive data and reorder points to be electronically sent to the unit, rather than having to type this information at the controller. Also allows for storage of this data without having a storage location assigned within the unit.

3.6.16 Access Code Management – which shall provide username/password functionality with the ability to control shelf access to specific users.

3.6.17 The system shall have easily removable shelving. A removed shelf shall have the capability to be transported by a cart from the Vertical Lift Storage System to a job site safely. A properly sized cart shall be provided. The system shall have external shelf management capability that shall track parts when they are outside the Vertical Lift Storage System.

3.6.18 The system shall include an actual weight scale that weighs the pan in the access opening and will not allow the pan to be stored if overweight. The system will also not allow the total weight capacity of the storage system to be exceeded. The actual weight scale system shall save energy by using an actual weight scale in the access opening that weighs the tray and will not move it if it is overweight (vs using an amp draw systems, which uses energy to pull the pan onto the extractor, send the pan up to its destination and then return it to the opening if it is too heavy).

3.6.19 The system shall provide a position and depth bar, which shall have an LED Light Bar with Position and depth indicators every 6" across access opening.

3.6.20 The contractor shall provide a durable industrial grade laptop computer, with software, cabling, etc. necessary to properly operate/interact with the Vertical Lift Storage System.

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3.6.21 The system shall have a programmable energy saving feature that will power down the inactive carousel after a predetermined time of inactivity in four stages or levels. Level 1, the background lighting of the TFT display is turned off. Level 2, the components of the electrical control system are turned off. Level 3, the lighting is dimmed. Level 4, the carousel is turned off at the main switch.

3.6.22 The system shall have an energy saving system that converts the kinetic energy of the descending extractor into electrical energy and feeds it back into the electrical supply system.

3.6.23 The equipment shall be Nationally Recognized Testing Laboratory (NRTL) inspected and certified (by an OSHA authorized third party). An NRTL certification report shall be provided. If the equipment type/model has already been NRTL inspected and certified, a certification report or documentation mounted on the equipment (which acknowledges it is NRTL certified) shall be provided.

3.6.24 The Vertical Lift Storage System shall be designed and installed to meet all Seismic Zone 3 earthquake requirements.

3.7 CONTRACTOR INSTALLATION AND SET-UP SERVICES TO BE PROVIDED - The specified system and all associated equipment shall be assembled, installed, set-up and operationally tested by the contractor in the area(s) designated as its functional work area by the Receiving Activity Point of Contact. The contractor shall provide all personnel, and supplies necessary for the complete installation and set-up of the proposed system (except as noted elsewhere in this specifications).

3.7.1 Installation of the New Vertical Lift Storage System - This includes connecting the new Vertical Lift Storage System to available utilities, and other work required to properly install the new storage system. This includes running approximately 100 ft. (+/- 20 ft.) of conduit and wiring, from an existing power panel to the new storage system. This includes providing and installing new appropriate sized breaker(s) if required, as well as removing an existing breaker(s)/spacer(s). Utilities installation shall include the contractor requesting necessary utility outage(s). The contractor shall complete and submit an outage request form (for each utility outage), and pay a nominal outage fee (for each outage) to the local base operating contractor (who will secure/re-energize the utility source). Installation also includes properly mounting the new Vertical Lift Storage System to the existing concrete pad (with anchor bolts).

3.7.2 Coordination - The Contractor shall contact the Receiving Activity Point of Contact with a proposed installation schedule for both systems (at least one week before the installation starts). The installation schedule shall be subject to review and approval of the Receiving Activity Point of Contact. Approval of installation schedule shall not relieve the Contractor of any responsibility for performance in accordance with the contract. The Contractor shall coordinate the site preparation and the delivery of materials in a manner which causes minimum disruption/interference with the activity's normal business routine.

3.7.3 Work Process - The Contractor shall provide a full time field supervisor to direct set up and testing. The field supervisor shall have full authority to implement his field decisions in an expeditious manner. No work shall be accomplished when the field supervisor is not in the immediate work area.

3.7.4 Methods And Schedules - The work shall be executed in a manner and at such times as to cause the least practicable disturbance to the occupants of the pier/dry-dock/buildings and normal activities of the activity. Before starting any work, the sequence of operations and methods of conducting the work shall have been reviewed and approved by the activity.

3.7.5 Lifting And Rigger Services - The contractor shall provide all material handling equipment necessary to unload the specified equipment, transport it to the installation site and any other equipment (such as forklifts, man-lifts, etc.) necessary for continuous support of the removal, transportation and installation of the specified equipment, and shall provide qualified personnel to operate it by the contractor. The contractor shall use no cranes during the installation of the Vertical Lift Storage System.

3.7.6 Contractor Site Visit - The contractor shall make a site visit to the facility prior to submitting a bid. This shall include viewing the existing facility, utilities, etc. The contractor shall have a complete understanding of the requirements for the demolition/installation of the specified equipment (prior to bidding on this project).

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3.8 **INSTALLATION SUPPORT SERVICES PROVIDED BY THE GOVERNMENT** - The activity will provide the following in support of the installation:

3.8.1 **Receiving Activity Point Of Contact** - Upon contract award, the receiving activity (Puget Sound Naval Shipyard & Intermediate Maintenance Facility, at Bangor) shall designate a Receiving Activity Point of Contact who shall be responsible for appropriate surveillance and coordination of all services to be performed under this contract. The Receiving Activity Point of Contact shall serve as the contractor's primary contact for all interaction with Government activities.

3.8.2 **Utilities** - Reasonable amounts of water, shop air (80-90 psi) and electricity shall be made available adjacent (within 50 feet) to the assembly site at no cost to the contractor (for temporary use during the installation of the vertical lift storage system). The Contractor shall be responsible for any costs incurred in connecting, converting and transferring the utilities to the work site.

3.8.3 **Storage** - Lay-down area will be provided within the vicinity of installation site for storage of Contractor materials and tools. The Government does not accept responsibility for security of Contractor's materials or tools. The area must be kept clean and orderly, free of rags, paper and other debris. Failure to maintain area in a clean condition may result in the loss of the area. The Contractor shall be responsible to restore the storage area to original condition after use.

3.8.4 **Disposal Of Waste** - Puget Sound Naval Shipyard and Intermediate Maintenance Facility is the owner of all waste (hazardous or otherwise) generated within its facilities. This includes waste generated by contractor personnel while working at Puget Sound Naval Shipyard and Intermediate Maintenance Facility. All waste generated by this contract shall be turned over to the activity for disposal prior to the end of the work shift.

3.9 **ON-SITE PERSONNEL TRAINING SERVICES TO BE PROVIDED** - Within five (5) working days after satisfactory completion of acceptance testing of the system, the services of a qualified representative(s) shall be provided for specialized training to familiarize receiving activity personnel with the equipment and to help ensure reliable performance and maximum service life, during normal usage. All training shall be provided by a factory authorized distributor. Training services shall be rendered at Puget Sound Naval Shipyard and Intermediate Maintenance, Bangor Site Facility. Training shall be scheduled by mutual agreement between the Contractor and the Receiving Activity Point of Contact. Two (2) weeks prior to the start of any training, the contractor shall provide a course outline for government review and comment. Training sessions shall be provided separately for each group/type of government personnel. The contractor shall provide all training manuals and guides. The government shall provide classroom space in close proximity to the equipment/shop (if needed). The entire contractor cost of providing the training (including travel, per diem, etc.) shall be covered by this contract. The training shall apply to personnel as follows:

3.9.1 **Operator Personnel** - Training shall be provided for personnel for a total period of 12 hours, minimum. This training shall include preparation of equipment for operation and actual, safe operation of the equipment. This shall include operator programming training.

3.9.2 **Maintenance Personnel (Mechanical/Pneumatic)** - Training shall be provided for personnel at a journeyman mechanic level for a period of 2 hours minimum. This training shall include trouble-shooting and methods of correction if the equipment malfunctions, with particular emphasis on minimizing equipment down time.

3.9.3 **Maintenance Personnel (Electrical/Electronic)** - Training shall be provided for personnel at a journeyman mechanic level for a period of 2 hours minimum. This training, with respect to equipment/controls/drives/interface units and related components, shall include trouble-shooting and methods of correction should equipment malfunction, with emphasis on minimizing equipment down time

3.10 **TECHNICAL DATA TO BE PROVIDED**

3.10.1 **Operator / Maintenance / Repair Manuals** - The equipment shall be furnished with three (3) hard copies of the manufacturer's standard Operation, Maintenance, and Repair Manual(s), bound in durable three ring binder(s). The manuals shall include all mechanical and electrical schematics showing discrete components/block diagrams/wiring diagrams with inputs and outputs identified/system electrical interface documents and drawings for the specific model of all machine equipment/drives/controls supplied. The information contained in the manual(s) shall reflect the unit and its components in the "as built" configuration. The information contained in the manual(s) shall be adequate to permit trouble shooting and repair of the equipment by journeymen level personnel. The

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information contained in the manual(s) shall be in the English language. The information contained in the manual(s) shall be in imperial units of measure. If a Programmable Logic Controller (PLC) is used, documentation for the PLC shall be provided and include media and instructions for restoring/replacing the stored program in the event of battery backup failure. One (1) CD backup copy of the PLC automatic program shall be included. Appropriate software shall be provided in CD/DVD format to allow Government maintenance personnel to address, maintain, and adjust the PLC as needed for investigation of equipment malfunction.

3.10.2 **OSHA Compliance Report** – As outlined in paragraph 2.2.2 and Enclosure 1, Safety Requirements For The Puget Sound Naval Shipyard And Intermediate Maintenance Facility (PSNS & IMF), Bangor Site, paragraph II.b.

3.10.3 **NRTL Certification Report** - As outlined in paragraph 2.2.1

3.11 **WARRANTY** - Supplies and services furnished shall be covered by warranty from defects in design, materials and workmanship. The warranty shall be the manufacturer's standard commercial warranty, which shall conform to all the requirements of the contract. Acceptance of the manufacturer's standard commercial warranty shall not minimize the rights of the Government under clauses in the contract, and in any conflict that arises between the terms and conditions of the contract and manufacturer's warranty, the terms and conditions of the contract shall take precedence. The warranty period shall be the industry standard for this type of equipment. The warranty period shall commence from the date of acceptance. All warranty work shall be provided by a factory authorized distributor.

4 **QUALITY ASSURANCE PROVISIONS**

4.1 **RESPONSIBILITY FOR INSPECTION** - The Contractor shall be responsible for the performance of all inspection requirements (examinations and tests) as specified herein. The Government reserves the right to perform any of the inspections set forth in this specification, where such inspections are deemed necessary to assure supplies and services conform to the prescribed requirements.

4.2 **RESPONSIBILITY FOR COMPLIANCE** - All items shall meet all requirements of this specification. The inspection(s) set forth in this specification shall become part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspections, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements; however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

4.3 **INSPECTION/TESTING AT DESTINATION**

4.3.1 **Initial Test And Grooming** - The equipment delivered with the system shall be inspected by the Government for mechanical and electrical integrity as follows: All welds shall be inspected for integrity and appearance. Surfaces shall be examined for sharp edges and burrs. Fasteners shall be checked for tightness and if fixed to prevent loosening due to vibration. Paint will be checked for flaking and blistering. Electrical requirements shall be examined for compliance to the National Electrical Code, (NFPA 70/79). The fit of parts shall be observed, with particular reference to the interchangeability of those that are likely to require replacement. Faults will be duly recorded and presented to the contractor for rectification.

4.3.2 **Operational Tests** - Upon satisfactory completion of the tests above, the equipment shall be set up for an operational test and evaluation. The contractor shall demonstrate the ability of the equipment to perform as required in this specification. All equipment functions shall be exercised to the extent necessary to prove proper operation in accordance with specification requirements. The system shall function, without failure, for the duration of this test period. If a failure occurs during the test period, repairs shall be immediately affected by the Contractor, and the tests shall be restarted from the first test. Three failures without completion of the test period shall be considered cause for rejection of the system. For the purpose of this test, a "failure" is defined as any equipment malfunction, which requires remedial action to restore the system to full operation in accordance with contract specifications.

4.4 **PROVISIONS FOR REPAIR AND RETEST** - In the event of a test failure, the contractor, at their discretion, may elect to correct the failed condition and request a retest of the system (vs. shipping the equipment back to the manufacturer for repairs).

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4.5 **FINAL ACCEPTANCE** - Final acceptance shall be upon satisfactory completion of installation, inspection and testing of the system (as outlined in this specification).

5 **DELIVERY**

5.1 It is required that all goods and services provided by this solicitation be delivered prior to 120 days of contract award.

5.2 The Surveillance Officer shall be notified no less than 48 hours prior to the arrival at the site of the specified equipment and/or contractor personnel.

5.3 Material transportation from the manufacturer's facility to the work site shall be the responsibility of the contractor. Limited secured storage areas at the facility will not permit the Government to store material for extended periods of time. Early shipment of materials, without the permission of the receiving activity shall be refused.

5.4 **Packing Material** - The use of shredded paper, whether newspaper, office scrap, computer sheets, or wax paper, in packing material for shipment to Navy activities, is prohibited.

5.5 It is the Government's intent that the Contractor delivers a fully operational and functional system meeting the requirements stated herein prior to acceptance by the receiving activity and final payment by the government. Delivery of this system shall occur when all deliverable items of this contract have been received, installed and made operational **and** the contractor has demonstrated and the receiving activity has confirmed that the system meets or exceeds the requirements set forth in this specification and is ready for Government use.

6 **GENERAL NOTES**

6.1 **RESPONSE TO REQUEST** - As a part of the response to this request, descriptive literature (in accordance with FAR 52.214-21) shall be furnished in sufficient detail to show that the proposed design will meet these specifications. Vendor submittals shall include brochures of the model being submitted, assembly sketches with critical dimensions, sketches (with dimensions) of all tooling provided, statements of compliance with specification, and performance statements with special attention to the key performance criteria stated herein.

6.2 **ADMITTANCE TO THE WORK SITE:**

6.2.1 Upon contract award, employees or representatives of the Contractor (including sub-contractors) who may require access to the Receiving Activity's facility and shall be admitted to the work site only after they have been issued a security pass/ID badge.

6.2.2 Contractor personnel requiring access inside of PSNS & IMF, Bangor Site facilities shall complete and submit a "Foreign Ownership, Influence or Control (FOCI) Questionnaire". The contractor can receive a blank copy of the questionnaire from, and then submit the completed questionnaire to PSNS & IMF Security Assistant, Larry Schofield; larry.schofield@navy.mil. FOCI Questionnaires must be sent a of minimum (5) business days before arrival.

6.2.3 Contractor personnel visiting for less than five days (including one-day visits), shall contact the Receiving Activity Point of Contact to schedule a visit(s), and shall provide the following information:

- * Full Legal Name
- * US Citizen (Yes/No)
- * Company Name

6.2.4 Contractor personnel visiting for five or more days shall request security badge requests through the on-line Base Authorization and Visit Request (BAVR) computer system. Go on line to "<https://www.bavr.cnmc.navy.mil/>", and submit a request for a badge, a minimum of five business days prior to arrival. The "Command you are visiting" is: **NAVIMFAC**. The "Sponsor E-Mail" for an on-line badge should be: larry.schofield@navy.mil (Larry Schofield, 360-315-1187). In the "Purpose of Visit" box, please add the person and the building you are visiting. If the BAVR computer system doesn't work, all visiting personnel shall contact the Receiving Activity Point of Contact to schedule a visit(s), and shall provide the following information:

- * Full Legal Name

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- * US Citizen (Yes/No)
- * Company Name

6.2.5 Securing security badges shall require visiting personnel to make daily stops at security pass/ID building (located next to the base's main gate) to pick-up a daily security/ID badge. To avoid having to pick-up a security/ID pass daily, and to secure a longer term security pass/ID badge, visiting personnel would need to secure a RAPIDGate pass (for access to the perimeter gates). Information about RAPIDGate passes can be found at the following web site: <http://www.RAPIDGate.com>. There are costs associated with securing RAPIDGate passes. The RAPIDGate pass "sponsor" (and POC for security questions) for our location (NAVIMFAC, also called PSNS & IMF, Bangor Site) is Larry Schofield, larry.schofield@navy.mil, 360-315-1187. Contact information regarding RAPIDGate passes information/questions is Email: info@eidpassport.com; Phone: Toll Free 1-855-243-8343; Local: 1-503-924-5300.

6.2.6 Contractor personnel requiring Pier/Waterfront Restricted Area access are required to have a BAVR Badge. A BAVR request must be submitted a minimum of five business days before arrival. Government unescorted access will be given to only those contractors with a security clearance / BAVR approval for Pier/Waterfront Restricted Area workspaces/facilities; All others will require authorized escorts. Contractor personnel may be required to hire (pay for) escorts (when visiting the Pier/Waterfront Restricted Areas). Please contact the Receiving Activity Point of Contact for information about securing authorized escort services.

6.2.7 A Security Pass/ID Badge is obtained by visiting the Security Pass/ID building (located next to the base's main gate), and showing one of the following original documents:

- * Certified Birth Certificate
- * UNEXPIRED Passport/Passport Card
- * Alien Registration Card
- * Enhanced Driver's License
- * Naturalization Papers
- * Statement of Birth Born Abroad

Note: If a document does not have a photo, state-issued photo identification (i.e. Drivers License or ID cards) must also be shown.

6.2.8 Notice: Persons who are currently on probation or parole from a felony conviction, or has a past gross misdemeanor or felony in the past ten years cannot qualify for security clearances, and will be denied access to the activity

6.2.9 It shall be the Contractor's responsibility to collect and account for all identification passes issued to their personnel at the expiration of the contract or when access is no longer required.

6.2.10 **Foreign Nationals or Affiliations** - Foreign Nationals (non U.S. Citizens) or persons affiliated with, or employed by, a foreign, or foreign owned company will not be granted access without proper Commanding Officer's written approval.

6.2.11 **Identification.** All Contractors shall clearly identify themselves as contractor personnel.

6.3 RESTRICTIONS:

6.3.1 **Parking** - Vehicles and equipment required by the Contractor to complete this contract must be registered with Security. Forms for obtaining vehicle passes and permits may be obtained from the Receiving Activity Point of Contact. Parking is available at or near the work site or at other authorized areas on the station. Contractor vehicles must be marked on the outside with the company name or logo or both. Failure to comply will result in ticketing and/or loss of vehicle privileges.

6.3.2 **Regular Working Hours** - All work is to be performed during PSNS & IMF, Bangor Site's regular work hours from 6:30 a.m. to 3:00 p.m., Monday through Friday except for Federal Holidays. If the Contractor desires to work on Saturdays, Sundays, holidays, or outside the regular or specified hours/days, the Contractor shall submit a request to the Receiving Activity Point of Contact, for approval a minimum of two (2) working days prior to the anticipated work date. In no event shall a Contractor carry on work outside the hours and days specified in the contract without prior approval.

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6.3.3 **Restricted Colors** - PSNS & IMF, Bangor Site uses the colors magenta and yellow to identify specially controlled materials. The Contractor is specifically prohibited from using magenta and yellow colored plastic wrapping materials or bags, tape, or other covering materials.

6.3.4 **Radio Restrictions** - Operation of privately owned citizens band or amateur radio equipment (receive and transmit) within the geographic limits of the activity is prohibited. All radio equipment installed in privately owned motor vehicles must be turned off upon entering the premises.

6.3.5 **Contractor Electronic Devices** - Use of such devices, including cell phones, and computers shall not be capable of photography or digital recording by contractor personnel at PSNS & IMF, Bangor Site is restricted. This includes personally owned Portable Electronic Devices (PEDs) that are used for storing data, including but not limited to removable storage devices (e.g. memory sticks, rewritable CDs and DVDs, Zip and floppy disks). Contractors requiring such devices in the performance of this contract shall have the equipment inspected and approved by the PSNS & IMF Information Assurance office, located in Bremerton, WA. If this equipment is needed, it must comply with the photography regulations. Please contact Aaron Young at 360-315-5112, aaron.c.young@navy.mil to make a request. Please allow 5 business days for appointments with PSNS & IMF cyber security to be made.

6.3.6 **Photography/Recording** - Contractor personnel are prohibited from having personal reproduction equipment of any kind, including but not limited to photocopying, copying, and/or recording devices. This includes photographic equipment, tape recorders, or other recording devices in their possession while inside the Operations Area (OA). Contractors requiring the use of photographic equipment in PSNS & IMF, Bangor Site spaces must request authorization through the IMF security office. Please contact Larry Schofield at 360-315-1187, larry.schofield@navy.mil, to make a request.

6.3.7 **Prohibited Items** - The items listed below are prohibited (and includes any other item, which the possession of is prohibited by Federal, State or municipal law, Department of Defense or Department of Navy instruction directive or policy).

6.3.7.1 Weapons or other dangerous materials of any kind, including but not limited to firearms, ammunition, knives (blades longer than 3-inches), explosives, incendiaries, personal defense aerosols/sprays.

6.3.7.2 Alcoholic Beverages of any kind and illegal to include marijuana.

7 PERSONAL HEALTH AND SAFETY

7.1 The Contractor shall provide their employees with all necessary safety equipment during the performance of work on this contract, and ensure their employees follow safe work practices. All contractor personnel shall have in their possession and shall properly wear OSHA approved personal protective safety equipment (i.e. hard-hats, steel-toe safety shoes, safety glasses and hearing protection). The Contractor shall provide all appropriate safety barricades, signs, and signal lights required to properly isolate the area of work.

7.2 All Contractors shall clearly identify themselves as contractor personnel.

7.3 **Medical Treatment.** Government emergency vehicles and medical personnel shall only be used in emergency situations affecting contractor personnel whose life may be in danger or who are seriously injured. Government facilities may be used in these instances as the first point of treatment. Transfer to a non-Government medical treatment facility shall be made as soon as possible and as determined by attending medical authorities.

8 WORK SITE INFORMATION

8.1 **Regular Working Hours/Shifts.** Regular working hours is normally 8 hours (0630-1500), with a 30-minute lunch break, Monday through Friday. Working hour variations may be requested by contractor personnel, and approved by the Receiving Activity Point of Contact.

8.2 **Holidays and Shutdown Periods.** All shutdown periods, when directed by the Commanding Officer, are normally associated with holidays or inclement weather. Naval Base Kitsap policy is to continue operations during adverse weather. Severe weather may cause an electrical power outage, or snow, ice, or wind conditions may cause

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the base to remain closed. Other shutdown periods may be declared by Executive Order. Contact the Surveillance Officer regarding severe weather or Executive Order shutdown information. The contractor shall not be required to work during designated shutdown periods. Holidays observed by the contractor shall include all legal holidays observed by the Government. These holidays are:

New Year's Day	Labor Day
Martin Luther King Day	Columbus Day
President's Day	Veterans' Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

8.3 Overtime is not authorized. Overtime is defined as hours worked in excess of the employee's normal workweek. The normal workweek is defined as forty (40) hours.

8.4 Nothing contained in the specifications shall relieve the Contractor from complying with applicable Federal, state, and local laws, codes, ordinances, and regulations, including the obtaining of licenses and permits that may be required for the Contractor or Subcontractor(s) to perform a particular function, such as hazardous waste handling or disposal, for example.

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ENCLOSURE 1

**SAFETY REQUIREMENTS FOR THE PUGET SOUND NAVAL SHIPYARD AND INTERMEDIATE
MAINTENANCE FACILITY, BANGOR SITE**

SCOPE

These specifications provide safety information and procedures required for any work performed at Puget Sound Naval Shipyard and Intermediate Maintenance Facility (PSNS & IMF), Bangor Site. This does not include additional safety requirements from Naval Base Kitsap at Bangor which is the host activity at Bangor.

APPLICABLE DOCUMENTS

The following documents form a part of this specification. Unless otherwise indicated, the issue in effect on the date of a request for proposals or request for quotes shall apply.

National Fire Protection Association (NFPA)

NFPA 54	National Fuel Gas Code
NFPA 70	National Electric Code
NFPA 79	Electrical Standards for Industrial Equipment

Code Of Federal Regulations

29 CFR 1910	Occupational Safety and Health Standards
29 CFR 1915	Occupational Safety and Health Standards for Shipyard Employment
29 CFR 1926	Safety and Health Regulations for Construction

(Application for copies should be addressed to Superintendent of Documents, Government Printing Office, Washington, DC 20402)

Washington State Administration Code (WAC)

WAC 173-60	Maximum Environmental Noise Levels
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I. GENERAL REQUIREMENTS

- a. All documentation/correspondence and/or communication specified in these specifications shall be submitted to the Contracting Officer or their designated Government Representative.
- b. **Mutual Understanding Meeting. Prior to commencing work:** The Contractor shall meet in conference with the Contracting Officer, and other necessary Government personnel to discuss and develop mutual understandings regarding administration of the Safety Program, methods and schedules, security, and any other subject necessary for a smooth and successful operation.
- c. **Environmental & Safety Compliance, General Awareness Training, and Regulatory Interface**
 1. Contractors working at the PSNS & IMF are required to perform their work in compliance with all Federal, State, and local regulations pertaining to the environment at all times.
 2. The contractor is responsible for complying with the safety regulatory notices or orders, including payment of any fines attributable to the contractor's conduct, regardless of whether or not the contractor is the name recipient of the notice, order, or fine.

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3. The contractor is responsible to perform all duties and responsibilities for environmental and safety compliance set forth in this contract. The Contracting Officer can use failure to comply with the responsibilities for environmental and safety requirements as a basis for termination for default.

4. Failure to comply with or repeated violations of local, state, or Federal regulations can result in the violator(s) losing their access to PSNS & IMF or the operation being suspended until the Contractor can provide properly trained personnel. Certification of training shall be presented upon request by the Contracting Officer. The contractors (including its employees) loss of access to PSNS & IMF will not be considered by the Contracting Officer as a basis for an adjustment to the contract for additional costs incurred by the contractor.

5. The contractor shall be responsible for conducting routine inspections of the work and storage areas to maintain compliance with the cleanliness and safety requirements associated with this contract.

d. Definitions – Technical:

1. **Contractor.** The term Contractor refers to both the prime Contractor and subcontractors. The prime Contractor shall ensure that his/her subcontractors comply with the provisions of this contract

II. HEALTH AND SAFETY

a. Personal Health And Safety

Contractor work performed at PSNS & IMF is typically in an industrialized area and is subject to OSHA Standards. The contractor shall conduct all work in a safe manner and shall provide all necessary safety equipment.

The contractor shall make the maximum use of low-noise emission equipment as certified by the Environmental Protection Agency. Applicable regulatory requirements for maximum environmental noise levels are published in the Washington Administrative Code, WAC 173-60. The contractor shall provide hazardous noise signs and label equipment wherever work procedures and equipment produce sound-pressure levels greater than 84 dB(A) steady state and/or 140 dB peak sound pressure level for impact or impulse noise, regardless of the duration of the exposure.

b. Safety Equipment

During the performance of work under this contract, all contractor personnel shall have in their possession and shall properly wear OSHA approved personnel protective safety equipment (i.e. hard-hats, steel-toe safety shoes, safety glasses and hearing protection).

The Contractor shall provide all appropriate safety barricades, signs, and signal lights.

c. Safety Inspections

The contractor's workspace may be inspected periodically for compliance with OSHA Standards.

Abatement of violations will be the responsibility of the contractor and/or the Government as determined by the Contracting Officer.

The Contractor shall provide assistance to the Safety Office escort and the federal OSHA inspector if a complaint is filed. Fines levied on the Contractor by federal OSHA offices due to safety/health violations shall be paid promptly by the Contractor.

d. Energy Control

Equipment provided by the contractor shall provide energy isolating devices (e.g., safety switches, valves, etc.) to protect personnel from hazardous energy. The devices shall be designed and manufactured such that they can be locked in the user-selected position (ON/OFF) to prevent inadvertent or unauthorized

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change. Contractor shall ensure all energy-isolating devices installed or modified are capable of being locked. This includes both mechanical and electrical devices.

e. Audible Noise Levels

The peak audible noise emitted by the equipment being installed by the contractor shall not exceed 84 decibels at the operators work position, nor at any other point at a distance of three feet from the equipment, as measured on the "A" weighed scale of a standard sound level meter under all operating and service conditions.

f. Accident Reporting

The contractor shall submit to the Contracting Officer, using the cognizant regulatory agencies prescribed forms, exposure data and all accidents resulting in death, trauma, or occupational disease. Accident reports shall be submitted within 24 hours of their occurrence.

The contractor shall submit to the Contracting Officer a full report of damage to Government property or equipment by Contractor employees. Damage reports shall be submitted within 24 hours of the occurrence.

g. Emergency Medical Care

Only emergency medical care is available in Government facilities to contractor employees who suffer on-the-job injury or disease. Care will be rendered at the rates in effect at the time of treatment. Reimbursement shall be made by the contractor to the Naval Regional Medical Center Collection Agent upon receipt of statement.

h. Fire Protection

The contractor and his employees shall know where the fire alarms are located and how to turn them on. 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.