Request for Solutions:

Naval Operational Logistics Distribution Systems (NOLDS) Prototype Project
18 June 2020

1. Purpose and Authority

This Request for Solutions (RFS) is seeking vendors for an Other Transaction Authority (OTA) agreement, for the Naval Operational Logistics Distribution Systems (NOLDS) Prototype Project, in accordance with the authority of 10 USC §2371b. The Government will evaluate the solutions with the intent to competitively award one or multiple Other Transaction Agreements for prototype projects through the Training and Readiness Accelerator (TReX) Consortium.

2. Summary and Background

The United States Navy (USN), the United States Marine Corps (USMC), and the United States Department of Defense (DoD) seek better capability to efficiently and optimally distribute fuel, dry cargo, and munitions within theater. Specifically, the Navy has identified known gaps in capability to deliver these supplies within contested environments. Additionally, with a growing energy demand and new Distributed Maritime Operations (DMO), Joint Commanders and their staffs require more options to replenish ships, vehicles, equipment, and systems at the right time and location. The Operational Logistics (OPLOG) Integration R&D Program from the Naval Surface Warfare Center (NSWC) Carderock Division (NSWC-CD) is developing concepts, prototypes, and technology transition projects for at-sea, littoral, and over-the-shore (OTS) distributed logistics and fueling. The NOLDS prototype project is unclassified.

The NOLDS prototype project, led by the OPLOG Program will generate solutions, conduct developmental testing (DT) and operational testing (OT), develop and demonstrate prototypes, and transition operational logistics solutions in support of DMO. Some of these new distributed logistics solutions may include fuel and solid cargo storage and distribution systems that enable more agile and robust logistics operations at-sea, in the littorals, and OTS in contested environments.

The figure below illustrates the eight prototype projects included in this NOLDS OTA agreement in support of DMO.

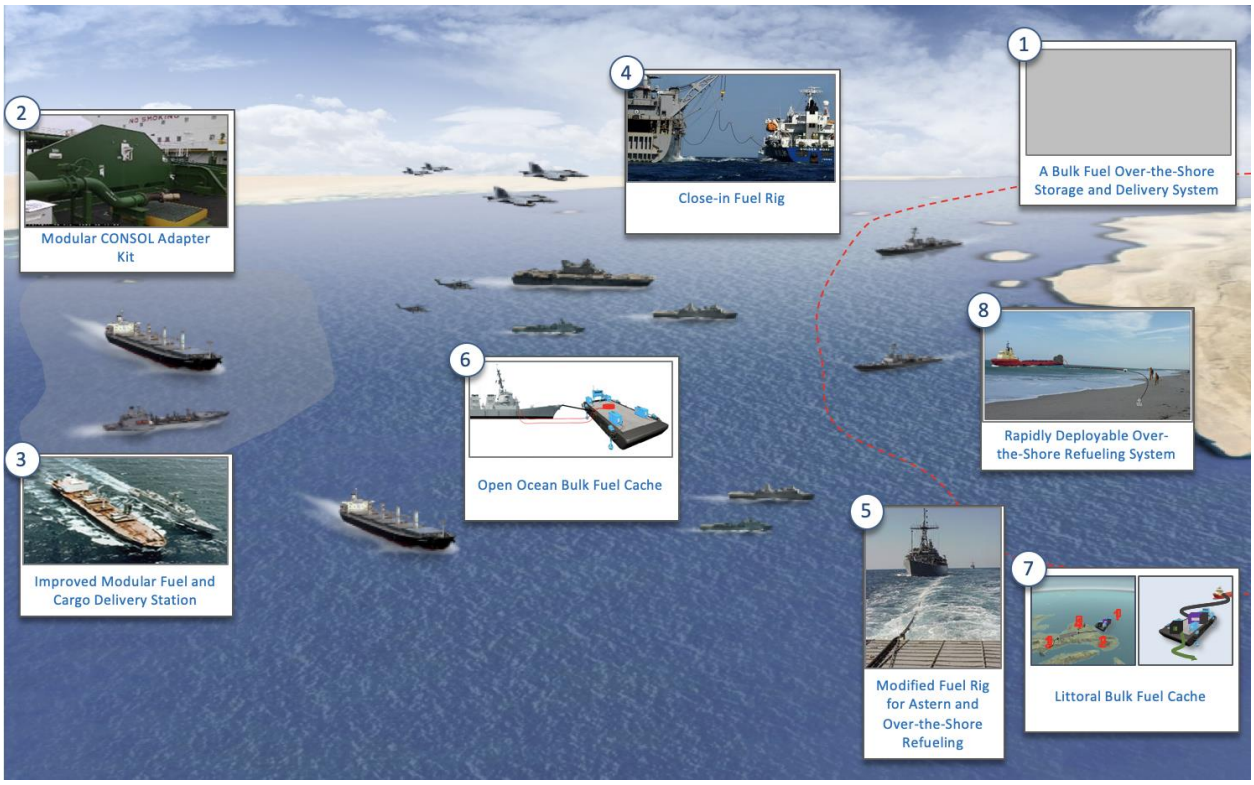

Figure 1. NOLDS DMO

These eight prototype projects are envisioned to include, but not limited to, the following capabilities:

- Floating and/or submerged fuel storage with significant storage and pumping capacity
- Ability to hold station via dynamic positioning (DP) and/or traditional mooring capability
- Ability to interface with and receive/transfer fuel and cargo to/from US Navy and commercial assets
- Ability to transfer fuel and cargo ashore from an offshore location.
- Robust interconnection capabilities to enable ship-to-ship and ship-to-shore fuel transfer under a wide range of missions and sea state operational constraints
- Require minimal manning and/or autonomous operations
- Low or limited visibility to the adversary

The NOLDS prototype project(s) will be multi-faceted to include one or more analyses of alternatives (AoA) and design activities, followed by small-scale test and evaluation (T&E) pilots to prove out the major technical and operational components of the prototypes. The ultimate outcome of each NOLDS prototype project is to develop,

demonstrate, and assess prototypes that can perform in relevant operational environments that meet warfighter standards.

3. General Information

3.1. Vendors interested in responding to this RFS must be members of the TReX consortium. Information about membership can be found at the following webpage: https://nstxl.org/membership/. This project will be managed by the United States Navy's Operational Logistics (OPLOG) Integration R&D Program.

3.2. The cost of preparing and submitting a response is not considered an allowable direct charge to any Government contract or agreement.

3.3. An individual vendor may not submit more than one comprehensive response to this RFS as a Prime. A vendor may participate as a subcontractor to multiple responses.

3.4. Non-compliance with the submission instructions provided herein may preclude the vendor from being considered for award.

3.5. All Government participants in the evaluation process will file NDAs.

4. Government Furnished Information (GFI)/ Government Furnished Property (GFP)

The OPLOG program is providing a spreadsheet, Attachment 1 NOLDS_Prototype_Project_Information_Spreadsheet_DISTRO_D_05_01_2020, that includes the below information for each prototype project.

- Prototype Project Description
- Brief CONOPS
- High-Level Requirements
- Scope of Work
- Additional Project Information
- Ship Drawings, Specifications and Technical Data (if required and/or available)
- Regulatory, Procedures and Standards
- Quantity of Prototypes (scaled, full scale) for test, verification, and validation
- Quantity of Anticipated Production Units (Reference for any potential follow-on work)

Table 1 below lists the open source website links (**DISTRIBUTION STATEMENT A.** Approved for public release: distribution unlimited) for the following GFI regulations:

Table 1. Open Source Websites

GFI Regulation	**Link**
American Bureau of Shipping (ABS): Rules, Guides and Guidance Notes	https://ww2.eagle.org/en/rules-and-resources/rules-and-guides.html#/content/dam/eagle/rules-and-guides/current/special_service/10-steel-barges
OPA 90 (33 U.S.C. 2701-2761)	https://uscode.house.gov/view.xhtml?path=/prelim@title33/chapter40&edition=prelim
US Coast Guard 33 Code of Federal Regulation (CFR) Part 157	https://www.law.cornell.edu/cfr/text/33/part-157

Table 2 below lists the GFI/GFP provided by the OPLOG program for each prototype project to include the appropriate Distribution Statement and Attachment Number.

Table 2. GFI/GFP Technical and Specification GFI Mapping to Capability

Prototype Project	GFI/GFP Provided in Attachments & Table 1
Bulk Fuel Over-the-Shore Storage & Delivery System	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1 • Bulk OTS Storage & Delivery System Trade Space Requirements (Distribution D) – Attachment 2 • ABS Rules, Guides and Guidance Notes (Distribution A) – See Table 1 • OPA 90 (22 U.S.C. 2701-2761) (Distribution A) – See Table 1 • US Coast Guard 33 Code of Federal Regulation (CFR) Part 157 (Distribution A) – See Table 1
Modular CONSOL Adapter Kit	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1 • T-5 Tanker FAS Stations 1-4 Arrangement (Distribution D) – Attachment 3 • Midship Section (Distribution D) – Attachment 4 • NSTM 571 (Distribution C) – Attachment 5 • NTTP 4-01.4 (Distribution A) – Attachment 6
Improved Modular Fuel & Cargo Delivery Station	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1 • T-5 Tanker FAS Stations 1-4 Arrangement (Distribution D) – Attachment 3 • Midship Section (Distribution D) – Attachment 4 • NSTM 571 (Distribution C) – Attachment 5 • NTTP 4-01.4 (Distribution A) – Attachment 6 • Offshore Support Vessel Specifications and Photographs (Distribution D) – Attachment 7
Close-in Fuel Rig	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1 • NSTM 571 (Distribution C) – Attachment 5 • NTTP 4-01.4 (Distribution A) – Attachment 6 • Offshore Support Vessel Specifications and Photographs (Distribution D) – Attachment 7 • UNREP Station Capabilities Handbook (Distribution C) – Attachment 8
Modified Fuel Rig for Astern & Over-the-Shore Refueling	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1

	• NSTM 571 (Distribution C) – Attachment 5 • NTTP 4-01.4 (Distribution A) – Attachment 6 • Offshore Support Vessel Specifications and Photographs (Distribution D) – Attachment 7 • UNREP Station Capabilities Handbook (Distribution C) – Attachment 8
Open Ocean Bulk Fuel Cache	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1 • Open Ocean Fuel Cache Requirements Trade Space (Distribution D) – Attachment 9 • OPA 90 (22 U.S.C. 2701-2761) (Distribution A) – See Table 1, Section 4 • US Coast Guard 33 Code of Federal Regulation (CFR) Part 157 (Distribution A) – See Table 1, Section 4 • ABS Rules, Guides and Guidance Notes (Distribution A) – See Table 1, Section 4
Littoral Bulk Fuel Cache	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1 • Littoral Bulk Fuel Cache Requirements Trade Space (Distribution D) – Attachment 10 • OPA 90 (22 U.S.C. 2701-2761) (Distribution A) – See Table 1, Section 4 • US Coast Guard 33 Code of Federal Regulation (CFR) Part 157 (Distribution A) – See Table 1, Section 4 • ABS Rules, Guides and Guidance Notes (Distribution A) – See Table 1, Section 4
Rapidly Deployable Over-the-Shore Refueling System	• NOLDS Prototype Project Information Spreadsheet (Distribution D) – Attachment 1 • Offshore Support Vessel Specifications and Photographs (Distribution D) – Attachment 7

5. Solutions Paper Responses

5.1. Interested parties shall provide a RFS solution response. As appropriate, vendors shall mark their submissions with proprietary, confidential, etc. Solution responses shall contain a separate General Volume and a Combined Technical and Price Volume. The volumes shall consist of:

- General Volume
  - Cover Page
  - Nontraditional Status
  - Foreign Owned, Controlled or Influenced (FOCI) status
  - Organizational Conflicts of Interest (OCI) and Mitigation Plans

- Combined Technical and Price Volume
  - Cover Page
  - Sub-Vendor List
  - Solution Paper (Vendor's Technical Approach)
  - Data Rights Proposal and Assertions
  - Government Desired Rights in Technical Data and Computer Software

- Anticipated Delivery Schedule
- Pricing Breakdown for Phases 1, 2 and 3
- Rough Order of Magnitude (ROM)

5.1.1. General Volume (no page limitation)

5.1.1.1. Cover Page

The cover page shall include the vendor's name, Commercial and Government Entity (CAGE) Code (if available), Data Universal Numbering System (DUNS) number, Business Size, address, primary point of contact (phone number and email), and status of U.S. ownership. The North American Industry Classification System (NAICS) Code for this effort is 541715, Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology).

5.1.1.2. Nontraditional Status

The vendor shall provide its nontraditional (see paragraph 5.1.1.2.1 for definition) business status or its ability to meet the eligibility requirements of 10 U.S.C. §2371b. The vendor shall check one of the following boxes – with appropriate justification, if needed.

☐ There is at least one nontraditional defense contractor or nonprofit research institution participation to a significant extent in the project.

☐ All significant participants in the transaction other than the Federal Government are small businesses or nontraditional defense contractors.

☐ At least one third of the total cost of the project is to be provided by sources other than the Federal Government.

If the vendor is not a nontraditional defense contractor (NDC), additional information is needed. Vendor shall provide the name, CAGE code, and DUNS number for the NDC. Additionally, the vendor shall provide what portion of the work the NDC is performing and an explanation of how the prototype would not succeed based on the portion of work performed by the NDC. ACC Orlando defines "significant extent" as participation of such an extent that the prototype would not succeed without the participation of the non-traditional contractor or combination of non-traditional contractors.

5.1.1.2.1. Definition Nontraditional – an entity that is not currently performing and has not performed, for at least a one-year period preceding the solicitation of sources by the Department of Defense (DoD) for the procurement or transaction, any contract or subcontract for the DoD that is subject to full coverage under the cost accounting

standards prescribed pursuant to 41 U.S.C §1502 and the regulations implementing such section.

5.1.1.3. Foreign Owned, Controlled, or Influenced (FOCI) Status

In accordance with RFS Attachment 15, Security Process for Vetting Contractors, the vendor must include certification that the vendor (and subcontractor(s)) are not Foreign Owned or under USA FOCI status (and are not in merger or purchasing discussions for a Foreign company or USA FOCI Company). Should a prospective vendor be unable to so certify, they will be ineligible for award unless the mitigating circumstances in Attachment 15, Security Process for Vetting Contractors are met. In such a case, these mitigating circumstances shall be detailed in an appendix to this volume.

5.1.1.4. Organizational Conflicts of Interest and Mitigation Plan

Vendors will submit an Organizational Conflict of Interest (OCI) Mitigation Plan via an appendix. In the event there are no real or perceived OCIs, simply state so and annotate what actions would be taken in the event that one is realized.

5.1.1.5. Combined Technical and Price Volume

5.1.1.6. Cover Page

The cover page shall include the vendor's name, Commercial and Government Entity (CAGE) Code (if available), Data Universal Numbering System (DUNS) number, Business Size, address, primary point of contact (phone number and email), and status of U.S. ownership. The North American Industry Classification System (NAICS) Code for this effort is 541715, Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology).

5.1.1.7. Sub-Vendor List

Vendor shall provide a list of all sub-vendors involved and their role within the performance of your submission as an appendix (which will not count towards the page count). The list shall include FOCI status and OCI.

5.1.1.8. Solution Paper (Vendor's Technical Approach)

Vendors can respond to one or up to all eight of the prototype projects. Each prototype solution must be segregated within the submission to enable evaluation of each. If efficiencies are gained by combining proposed solutions responses, state the cost difference of awarding one versus multiple.

Solution Paper responses should clearly address planned documentation deliverables (including format and content) and any planned demonstrations, design reviews, and management reviews. Responses shall be submitted in an executable (not scanned) Adobe PDF format and limited to no more than twelve (12) pages for each prototype

solution, using standard 12-point Arial font. Any charts or figures are not bound by the 12-point font requirement but shall be clearly legible. A total of five fold-outs are allowed. Vendors are not permitted to use this exception to “fit” a large amount of technical data in a small table or figure to stay under the page count limit. The Cover Page, Table of Contents, Sub-Vendor List, Government Desired Rights in Technical Data and Computer Software, FOCI documentation, List of Figures, IMS, CWBS, Delivery Schedule, Pricing Breakdown, Acronym Definitions, and Traceability Matrices do not count towards the page count limit.

5.1.1.9. Technical Approach

The intent of the NOLDS prototype project is to generate solutions, conduct DT and OT, develop and demonstrate prototypes and transition operational logistics capabilities in support of DMO. The OPLOG Program at NSWC-CD is seeking solutions to develop and prototype the following prototype projects. A brief description of each follows, with more detail in Attachment 1.

- **Bulk Fuel Over-the-Shore Storage and Delivery System** – A bulk fuel over- the-shore storage and delivery system designed to be minimally manned with low visibility and able to operate in an austere environment.

- **Modular CONSOL Adapter Kit** – A modular refueling capability for US tankers and other fuel carrying commercial vessels to refuel the Navy’s Combat Logistics Force (CLF) while underway at sea.

- **Improved Modular Fuel and Cargo Delivery Station** – A modular refueling and cargo system applicable to commercial and Naval platforms to provide an underway replenishment capability to US Navy ships.

- **Close-in Fuel Rig** – A near-term close-in refueling station designed to integrate with commercial and Naval vessels to provide additional refueling capability options for Navy ships.

- **Modified Fuel Rig for Astern and Over-the-Shore Refueling** – A modified hose and reel rig attached to commercial ships that can deliver an astern refueling capability to Navy ships as well as provide fuel over-the-shore to Joint Forces.

- **Open Ocean Bulk Fuel Cache** – A system that enables a minimally manned fuel cache for more agile and robust refueling operations at sea.

- **Littoral Bulk Fuel Cache** – A near-shore fuel cache platform that provides the ability to refuel small craft at sea and deliver smaller volumes of fuel ashore.

- **Rapidly Deployable Over-the-Shore Refueling System** – A modular hose and reel system adaptive force package that can be rapidly deployed from the supply vessel offshore without deploying any small craft and could easily be retrieved and redeployed to support mission conditions.

The following details describe the anticipated phases and major milestones for each of the eight NOLDS prototype projects:

- **Phase One: Preparation**
  - Requirements Development
  - Evaluate Analyses of Alternatives (AoA) Solutions
  - Conduct Ship and Platform Surveys
  - Develop High-Level Conceptual Designs
  - Conduct Concept Development and Refinement
- **Phase Two: Prototyping**
  - Design, Build, Retrofit, and Evaluate Sub-Scale (if needed) and Full-Scale Prototypes
  - Develop Detailed Design Packages
  - Design and Fabricate Test Articles (Prototypes)

NOTE: In order to do effective and appropriate test, verification, and validation at multiple sites, the Navy anticipates that multiple prototypes may be required for each capability.

- **Phase Three: Testing, Demonstrations, and Exercises**
  - Prepare Test Sites
  - Develop Test Plans
  - DT: Land-Based, Pier-side and Sea-Based Testing
  - OT: Land-Based, Pier-side and Sea-Based Testing and Exercise Interoperability Testing
  - Coordinate Additional Exercises and Demonstrations (as Needed)

The OPLOG Program will pursue all avenues to manage the phases and major milestones in order to meet stakeholder(s) requirements. The technical and schedule driver objective and threshold dates required to meet stakeholder requirements are listed in Table 3 below.

Table 3. NOLDS Stakeholder Objective and Threshold Dates

Distributed Logistics Project	Objective	Threshold
Bulk Fuel Over-the-Shore Storage and Delivery System	Q2 - Year 4	Q4 - Year 4
Modular CONSOL Adapter Kit	Q4 - Year 2	Q2 - Year 3
Improved Modular Fuel and Cargo Delivery Station	Q4 - Year 4	Q2 - Year 5
Close-in Fuel Rig	Q4 - Year 2	Q2 - Year 3
Modified Fuel Rig for Astern and Over-the-Shore Refueling	Q4 - Year 2	Q2 - Year 3
Open Ocean Bulk Fuel Cache	Q4 - Year 4	Q2 - Year 5
Littoral Bulk Fuel Cache	Q4 - Year 4	Q2 - Year 5
Rapidly Deployable Over-the-Shore Refueling System	Q4 - Year 2	Q2 - Year 3

The OPLOG program requires the development and manufacturing of a varying number of test articles to support test, verification, and validation of each of the eight prototypes. It also anticipates potential follow-on production for field use. In order to ensure the program selects vendors that not only provide innovative solutions but also a clear path to manufacturing test and potential follow-on production units, the vendor should clearly communicate technology and manufacturing readiness levels. This includes past experience in developing, producing, and fielding one or more of the NOLDS capabilities as well as any experience with establishing product lines. Recent experience is defined as any experience within the past five years.

For each of the prototype projects, the following table, Table 4. Prototype Test Articles and Production Units, lists the not to exceed (NTE) number of units for test articles along with their corresponding test locations as well as the approximate number of units for follow-on production.

Table 4. Prototype Test Articles and Production Units

Prototype Project	Test Articles		Follow-On Production Estimates
	NTE # Units	Potential Test Locations	# Units
Bulk Fuel Over-the-Shore Storage and Delivery System	4 (2 - subscale and 2 - full scale)	East and West Coast Naval Bases (Amphibious bases are preferable), Contractor furnished facility	3
Modular CONSOL Adapter Kit	10	East Coast and West Coast based ships (Tankers - e.g., Evergreen State, Empire State, US Flagged and Foreign Flagged Charters)	16
Improved Modular Fuel and Cargo Delivery Station	8	East Coast (Norfolk, VA, Charleston, SC), Gulf of Mexico (Port Fourchon, LA) and West Coast (San Diego, CA, Port Hueneme, CA); Commercial Offshore Support Vessels, US and Foreign Flagged Tankers	12
Close-in Fuel Rig	3	East Coast (Norfolk, VA, Charleston, SC), Gulf of Mexico (Port Fourchon, LA) and West Coast (San Diego, CA, Port Hueneme, CA); MSC ships, Commercial Offshore Support Vessels	6
Modified Fuel Rig for Astern and Over-the-Shore Refueling	3	East Coast (Norfolk, VA, Charleston, SC), Gulf of Mexico (Port Fourchon, LA) and West Coast (San Diego, CA, Port Hueneme, CA); MSC ships, Commercial Offshore Support Vessels	6
Open Ocean Bulk Fuel Cache	6	East and West Coast Naval Bases, Contractor furnished facility	9
Littoral Bulk Fuel Cache	9	East Coast (Norfolk VA, Little Creek VA, Charleston SC) and West Coast (San Diego CA, Port Hueneme CA, Pearl Harbour HI)	12
Rapidly Deployable Over-the-Shore Refueling System	3	East Coast (Norfolk, VA, Charleston, SC) and West Coast (San Diego, CA, Port Hueneme, CA); Commerical Offshore Support Vessels	6

5.1.1.10. Government Desired Rights in Technical Data and Computer Software

The Government requires Government Purpose Rights (GPR) for the period of performance (PoP) which shall commence upon execution of the agreement award. Upon expiration of the PoP, the Government shall have unlimited rights. Printed deliverable (e.g. printed hardcopies, .doc, web-based html, etc.) will be labeled Distribution D and contain all appropriate markings associated with the distribution classification. All technical data, intellectual property and non-commercial off the shelf (COTS) software are desired to be provided with a minimum of GPR; however, if any non-COTS software cannot be provided with GPR, vendors will be requested to provide a perpetual enterprise license agreement that allows unlimited distribution, modification and full use of the software without additional fees beyond the cost contracted for the original license agreement.

Any commercial or COTS products used shall be provided with a transferable license that allows distribution of the software and transfer of the license to any government agency or Department of Defense vendor/contractor for any NOLDS prototype project related purpose. All software licensing shall include a minimum term of five years of

use. All software shall be provided with any available major upgrades, minor updates, security patches and technical support for the entire period of performance. When the addition of new software or hardware is proposed for the system or developed under this solicitation with government funding or partial government funding, the vendor shall ensure that sufficient rights in technical data (software and hardware) are procured to enable the government to maintain and modify the system using government personnel and/or third party vendors/contractors. Government approval is required for exceptions to GPR.

Vendors will be requested to provide pricing to acquire any portion of their solution which is delivered with limited or restricted rights. The Government may choose to license or purchase the rights to these proprietary data upon successful delivery of the prototype.

All technical data and information developed under this effort should be marked with the appropriate marking in accordance with DoDI 5320.24, Distribution Statements on Technical Documents. This generally should be marked with “DISTRIBUTION STATEMENT D. Distribution authorized to the Department of Defense and U.S. DoD contractors only (fill in reason) (date of determination). Other requests shall be referred to PEO STRI.”

The vendor shall describe the rights being provided to the Government in terms of technical data, both in software and hardware, so that the Government can maintain and modify the system(s) using Government personnel and third-party contractors. The vendor shall analyze feasible non-proprietary solutions and incorporate them when applicable to the effort. This includes, but is not limited to, software rights, technical data, source code, drawings and other product definition data, manuals, warranties, and integration efforts.

5.1.1.11. Anticipated Delivery Schedule

The Navy anticipates the PoP for each of the eight prototype projects will be approximately 24-60 months. The vendor shall include the anticipated delivery dates (See Table 3 for approximate PoP) with their solution that includes all prototype capabilities and completion dates for all tasks and task stages as described in the RFS.

5.1.1.12. Pricing Breakdown for Phases 1, 2, and 3

Vendors shall submit a fixed price amount price for its solution, further divided into severable milestones. The Government is not dictating a specific price mechanism. However, proposed payments should be linked to clearly definable, detailed milestones in each phase (identified in 5.1.2.4). It should be clear, with sufficient detail, what is being delivered at each milestone. The vendor’s pricing milestones may vary from the defined decision points, depending on the proposed solution. Milestones should be established and priced in a manner that prohibits milestone efforts from being worked concurrently. Each milestone price should reflect the anticipated value the Government

will receive toward accomplishment of the OTA goals and objectives at the time the milestone is completed. The price section has no page number limitation.

5.1.1.13. Rough Order of Magnitude (ROM)
Vendors shall provide a ROM pricing for potential follow-on production activities based on the anticipated number of Follow-on Production OT units listed in Table 4. Please note, the Follow-On ROM will assist in future planning efforts for potential follow-on efforts. The Follow–On ROM is not part of the evaluation.

6. RFS Response Instructions

6.1. The Government intends to make multiple awards as a result of this RFS. Vendors can respond to one or up to all eight of the prototype projects. Each prototype solution must be segregated within the submission to enable evaluation of each. As such, the Government may award to more than one vendor. The Government also reserves the right to award to respondents that provide attributes or partial solutions of value to the Government. Vendors do not have to submit on the entire solution to be awarded an agreement.

6.2. All questions related to this RFS shall be submitted utilizing the Vendor Questions Form provided in Attachment 14. Questions must be submitted via email to initiatives@nstxl.org, with “NOLDS Prototype Vendor Questions” in the subject line.

6.3. Questions must be submitted no later than 30 June 2020 at 1:00 PM EDT. Questions received after the deadline may not be answered. Questions shall not include proprietary data as the Government reserves the right to post submitted questions and answers, as necessary (and appropriate) to facilitate vendor solution responses.

6.3.1. The Government reserves the right to post submitted questions and answers, as necessary (and appropriate) to facilitate vendor Solution Paper responses. Submitted questions will be posted without identifying company names.

6.4. Written solution responses shall be submitted no later than 1:00 PM EDT, 20 July 2020 via the “Submit a Solution” button on the NSTXL website. Any submissions received after the deadline may be rejected as late and not considered. Solutions shall clearly state which Prototype project (identified in 5.1.1.9) the vendor is submitting for.

6.4.1. Vendors must clearly state assumptions made within their response. Vendors are encouraged to challenge any Government assumptions or restrictive requirements in its individual solution and should articulate any major discrepancies between the RFS and its technical solution. Should a vendor’s solution require a change in policy and/or statue, the vendor shall outline within their technical volume, and describe why the

change is needed to realize the benefit of the vendor's prototype (and potential production).

6.4.2. Vendor's solutions shall be valid for at least 180 days after submission.

7. Evaluation and Selection Process

7.1. Solution papers will be evaluated with consideration given to the vendor's ability to provide a clear description of the proposed solution, technical merit (including product line quality factors such as agility and reuse), feasibility of implementation, vendor's experience, and total project risk. The proposed project price, delivery schedule, and data rights assertions will also be considered as aspects of the entire response when weighing risk and reward. Further, the Government will also evaluate the degree to which the proposed concept provides an innovative, unique – yet realistic and sustainable - approach to meeting the NOLDS Prototype high-level requirements as described in Attachment 1.

7.1.1. Assessment of risk is subjective. If the risk is obvious or the schedule seems overly aggressive, the Government will consider that in the total project risk assessment. Vendors are responsible for identifying risks within their submissions, as well as providing specific mitigation solutions. If sufficient validation of the proposed information is not provided, the Government may reject the submission.

7.2. The Government will evaluate the degree to which the submission provides a thorough, flexible and sound approach. This includes the ability to fulfill the high-level requirements in Attachment 1 as well as the ability to fulfill and execute the phases of the project as described in section 5.1.1.9.

Vendor proposed solution(s) shall describe their approach, with specific emphasis addressing the criteria below:

- Soundness and reasonableness of the technical maturity and approach to develop, integrate and implement the proposed improvement.

- Thoroughness of the vendor's knowledge regarding the state-of-the-art and evidence supporting a solid technical understanding of the requirements, their full scope and any anticipated problem areas with risk mitigation

- Ease of implementation and operation.

7.3. Vendor proposed price shall clearly and accurately reflect the level of effort derived from the proposed technical approach. The Government will evaluate the

vendor's overall price for reasonableness and how the proposed payments are linked to clearly defined milestones. It shall include a rational price breakdown for each major milestone activity and detailed man-hours by month for each labor category, and detailed bill of material. The Government may, if we choose, also evaluate for realism to ensure the awarded price is not so low as to present performance risk.

7.4. Any products and property over which proprietary rights would be asserted must be clearly identified.

7.5. Unsupported assertions will be discounted by the evaluators. Technology and Manufacturing Readiness Levels will be considered when weighing the benefit of the proposal. As outlined in section 5.1.1.9, this includes past experience in developing, producing, and fielding one or more of the NOLDS capabilities as well as any experience with establishing product lines. Recent experience is defined as any experience within the past five years.

7.6. The Government anticipates awarding one or more OT prototype project(s), through TReX, to the vendor or vendors that propose(s) a solution(s) that best satisfies the Government's objectives.

7.7. The Government reserves the right to award to a vendor that does not meet all of the requirements but provides attributes or partial solutions of value.

7.7.1. In making the final award decision, it may become necessary to compare the proposals of each vendor against the other, but the Government anticipates that its decision is more likely to be made based on each vendor's submittal as evaluated against the criteria in Section 7.2 and a determination of which proposal(s) is/are determined to be the most advantageous to the Government in terms of technical merit, feasibility of implementation, price, delivery schedule, and data rights assertions.

7.8. Upon award and during the prototype project execution, vendors will be directed to demonstrate the system capability to the OPLOG Program's management team at specified times during developmental and operational testing as well as selected exercises to ensure interoperability with existing Naval systems and platforms. Government analysis and acceptance of the demonstrations and deliverables will be accomplished in the specified and approved testing environment and include inputs from acquisition, requirements community experts and the Fleet. These representatives will provide the critical product analysis that will ensure the final NOLDS solutions meet Navy requirements.

8. Additional Information

8.1. Export Controls

Research findings and technology developments arising from the resulting proposed solution may constitute a significant enhancement to the national defense and to the economic vitality of the United States. As such, in the conduct of all work related to this effort, the recipient will comply strictly with the International Traffic in Arms Regulation (22 C.F.R. §§ 120-130), the National Industrial Security Program Operating Manual (DoD 5220.22-M) and the Department of Commerce Export Regulation (15 C.F.R. §§ 730-774).

8.2. Interaction and/or Disclosure with Foreign Country/Foreign National Personnel

The Vendor should comply with foreign disclosure processes described in US Army Regulation (AR) 380-10, Foreign Disclosure and Contacts with Foreign Representatives; Department of Defense Directive (DoDD) 5230.11, Disclosure of Classified Military Information to Foreign Governments and International Organizations; and DoDD 5230.20, Visits and Assignments of Foreign Nationals.

8.3. All submissions will be unclassified. Submissions containing data that is not to be disclosed to the public for any purpose or used by the Government except for evaluation purposes will include the following sentences on the cover page:

> *"This submission includes data that will not be disclosed outside the Government, except to non-Government personnel for evaluation purposes, and will not be duplicated, used, or disclosed -- in whole or in part -- for any purpose other than to evaluate this submission. If, however, an agreement is awarded to this Company as a result of -- or in connection with – the submission of this data, the Government will have the right to duplicate, use, or disclose the data to the extent agreed upon by both parties in the resulting agreement. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets]"*

8.4. Each restricted data sheet should be marked as follows:

> *"Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this submission."*

9. Follow-On Production

Upon successful completion of the prototype, the Government anticipates a follow-on production contract or transaction may be awarded to the vendor without the use of competitive procedures. Successful completion will be defined in the negotiated Statement of Work (SOW) for this prototype project. Successful completion will occur

when the prototype has been validated and is accepted by the Government. The Government intends to use Government estimates to determine price reasonableness.

Further, the government reserves the right to determine part or all of the prototype project is successfully completed if the vendor shows a particularly favorable or unexpected result justifying the transition to production.

10. Attachments

Attachment 1, NOLDS Prototype Project Information Spreadsheet (Distribution Statement D)
Attachment 2, Bulk Over-the-Shore Storage and Delivery System Trade Space Requirements (Distribution Statement D)
Attachment 3, T-5 Tanker FAS Stations 1-4 Arrangement (Distribution Statement D)
Attachment 4, Midship Section (Distribution Statement D)
Attachment 5, NSTM 571 (Distribution Statement C)
Attachment 6, NTTP 4-01.4 (Distribution Statement A)
Attachment 7, Offshore Support Vessel Specifications and Photographs (Distribution Statement D)
Attachment 8, UNREP Station Capabilities Handbook (Distribution Statement C)
Attachment 9, Open Ocean Fuel Cache Requirements Trade Space (Distribution Statement D)
Attachment 10, Littoral Fuel Cache Requirements Trade Space (Distribution Statement D)
Attachment 11, Data Rights Assertions Tables
Attachment 12, Data Rights and Computer Software License Terms and Definitions
Attachment 13, Terms and Conditions and EULA
Attachment 14, Vendor Questions Form
Attachment 15, Security Process for Vetting Contractors
Attachment 16, Vendor GFI Tech Data Distribution Agreement