

Naval Undersea Warfare Center Division, Keyport FOA N00253-19-0001

I. INTRODUCTION:

This publication constitutes a Funding Opportunity Announcement (FOA) as contemplated in the Department of Defense Grants and Agreements regulations (DoDGARS). See 2 CFR Part 1103. A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this announcement will not be issued.

Naval Undersea Warfare Center Division, Keyport (NUWC Keyport) will not issue paper copies of this announcement. NUWC Keyport reserves the right to select for award all some, one, or none of the proposals in response to this announcement. NUWC Keyport reserves the right to fund all, some, one, or none of the proposals received under this FOA. NUWC Keyport provides no funding for direct reimbursement of proposal development costs. Technical and cost proposals (or any other material) submitted in response to this FOA will not be returned. All proposals will be treated as sensitive competitive information and will be protected from unauthorized disclosure.

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A. OVERVIEW

1. Agency Name

Naval Undersea Warfare Center Division, Keyport
610 Dowell St.
Keyport, WA 98345

2. Funding Opportunity Title

Undersea Warfare Long Range Development FOA for FY19

3. Program Name

NUWC Keyport University Research Engagement Program

4. Funding Opportunity Number

N00253-19-0001

5. Response Date

Full Proposal Due: 10 June 2019 **Eastern Daylight Time** 2:00 pm (PDT)

6. Catalog of Federal Domestic Assistance (CFDA) Numbers

12.300

7. Catalog of Federal Domestic Assistance (CFDA) Titles

Department of Defense (DoD) Basic and Applied Scientific Research

II. DETAILED FOA INFORMATION

A. PROGRAM DESCRIPTION

This FOA is open only to colleges and universities.

NUWC Keyport is soliciting research of interest in support of long range undersea warfare needs. The topics of interest are listed below:

01: Expand Unmanned Underwater Vehicles (UUV) capabilities through artificial intelligence (AI) to improve autonomous perception and situational awareness, including generation of world models, self-localization, and obtaining/processing information for autonomous planning, decision making, and task execution.

02: Novel methods for predictive analysis of UUVs through modeling and simulation, considering sub-system, system, and multi-platform performance. Methods should allow exploration of high-dimensional state-spaces and lend themselves to use for system design, validation and verification and/or mission planning.

03: Expand capabilities of Undersea Warfare (USW) tactical decision making through the use of machine learning and AI, enhancing environmental perception and deciphering of tactical information.

04: Investigate methods to enhance identification of anomalies in large datasets associated with performance test analysis to include data analytics, machine learning, and statistical modeling to improve accuracy.

05: Investigate innovative methods for autonomous predictive maintenance and intelligent failure detection of electro-mechanical systems. Methods should explore the use of data analytics and machine learning.

06: Investigate methods for mitigating hardware obsolescence in test equipment for electro-mechanical systems to minimize the Non-Recurring Engineering costs associated with the mitigation strategy. Methods may include hardware architectures and communication protocols.

07: Investigate and propose data analysis methods for the maintenance processing data in maintenance activity logs, which consist of electro-mechanical assembly and electronic component repair data. Develop methods to apply data analytics to the automated process control system used by the maintenance activity which, in turn, identify opportunities for process improvement initiatives and identify reliability trends of the subject trends in this analysis.

08: Research in acoustic measurements and characterization, including novel methods of acoustic alignment that minimize the required motion of source and receiver and quantify the error of those measurements, measurements in reverberant environments, and anechoic materials.

09: Research into novel methods for predictive analysis of maintenance through modeling and simulation of weapons systems, mechanical and electronic devices (pumps, motors, valves), and electronics assemblies considering component level, system and multi-platform solutions. Methods may include automated and self-learning simulated production environments to improve one or more of the following areas of interest: supply chain and logistics; employee productivity; asset utilization; decision making; and task execution.

10: Research in novel methods for assessment of enhanced multi-use mixed reality user interface (UI) capable of various Alternate Reality (AR) and Virtual Reality (VR) operations with military maintenance and industrial applications. Develop a gesture-based UI that effectively demonstrates uses in AR/VR or mixed reality context within UUV platforms, considering perception of the environment, decision making, and task execution. Methods may include modeling and simulation, physical platforms, or platform surrogates.

11: Investigate and propose innovative design methodologies for improving the manufacturability and performance of propellers, including rapid empirical assessment.

12: Methods are sought for testing of autonomy in UUVs and assessment of non-deterministic AI within UUV platforms, considering perception of the environment, decision making, and task execution. Methods may include modeling and simulation, physical platforms, or platform surrogates.

13: Investigate methods to enhance the capabilities of data processing systems utilized for system supportability and obsolescence forecasting of electro-mechanical systems through the use of machine learning and AI.

14: Investigate cutting edge methods related to advanced software development and software deployment, to include data standardization, shared infrastructures, automation, and cloud computing to modernize legacy architectures.

15: Evaluate and demonstrate the effectiveness of common fault tolerance strategies related to voting and the Byzantine general problem by creating a Large Array of Sensors circuit card assembly test platform using Commercial Off the Shelf (COTS) parts that is capable of functioning during various sensor failure cases. The assembly would need to be able to simulate both passive and active sensor failure and communicate an activity log, system status, and reduced sensor array. Empirical evaluation of proposed method(s) is preferred.

16: Investigate sensing/recording methods for specific environmental conditions (shock, strain, temperature, humidity, etc.) to allow users to better evaluate the state of electro-mechanical components after storage and transportation. Techniques should cover one or more of the following key areas: Power Source, Sensing, Low Power Processing, and Data Transmission. Empirical assessment of proposed method(s) is preferred.

17: Research to reduce hazards from electromagnetic radiation to ordnance during research, development, prototyping, production, and maintenance of energetic systems that may address automation, digitizing manual and analog processes, ergonomic/safe handling operations, hazardous waste operations, tool and asset management, and culture change.

B. FEDERAL AWARD INFORMATION

1. Instrument Types

Awards will take the form of grants and/or cooperative agreements. Any assistance instrument awarded under this announcement will be governed by the award terms and conditions that conform to DoD's implementation of OMB circulars applicable to financial assistance. Terms and conditions may include revisions to reflect DoD implementation of new OMB guidance in 2 CFR Part 200, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards."

2. Funding Amount and Period of Performance

The funded amount and period of performance of each proposal selected for award may vary depending on the research area and the technical approach to be pursued by the applicant selected. The amount of resources made available to this FOA will depend on the quality of the proposals received and the availability of funds. Awards made from this FOA plan to be approximately \$20k per year per grant. It is anticipated that each grant would include a one-year base period and two one-year option periods.

3. Awards

The Government anticipates making three to four awards under this FOA; however, the Government reserves the right to make more or less depending on the quality of proposals received and the funding available. The Government reserves the right to select for negotiation all, some, one, or none of the proposals received in response to this FOA and to make awards without discussions with applicants. The Government also reserves the right to conduct discussions if later determined to be necessary. The Government reserves the right to request any additional necessary documentation once it makes the award instrument determination. Such additional information may include but is not limited to Representations and Certifications. The Government reserves the right to remove applicants from award consideration should the parties fail to reach agreement on award terms, conditions, and cost/price within a reasonable time or the applicant fails to timely provide requested additional information.

4. Research Type

Work funded under this FOA may include basic research, applied research, and some advanced technology development research. With regard to any restrictions on the conduct or outcome of work funded under this FOA, NUWC Keyport will follow the guidance on and definition of “contracted fundamental research” as provided in the Under Secretary of Defense (Acquisition, Technology, and Logistics) Memorandum of 24 May 2010.

As defined therein, “contracted fundamental research” in a DoD grant or contractual context includes research performed under grants and contracts that are (a) funded by Research, Development, Test, and Evaluation Budget Activity 1 (Basic Research), whether performed by universities or industry or (b) funded by Budget Activity 2 (Applied Research) and performed on campus at a university. The research shall not be considered fundamental in those rare and exceptional circumstances where the applied research effort presents a high likelihood of disclosing performance characteristics of military systems or manufacturing technologies that are unique and critical to defense, and where agreement on restrictions have been recorded in the contract or grant.

Pursuant to DoD policy, research performed under grants and contracts that are (a) funded by Budget Activity 2 (Applied Research) and NOT performed on-campus at a university or (b) funded by Budget Activity 3 (Advanced Technology Development) does not meet the definition of “contracted fundamental research.” In conformance with the USD (AT&L) guidance and National Security Decision Directive 189, NUWC Keyport will place no

restriction on the conduct or reporting of unclassified “contracted fundamental research,” except as otherwise required by applicable federal statute, regulation, or executive order. For certain research projects, it may be possible that although the research being performed by the prime contractor is restricted research, a subcontractor may be conducting “contracted fundamental research.” In those cases, it is the *prime contractor’s responsibility* in the proposal to identify and describe the subcontracted unclassified research and include a statement confirming that the work has been scoped, negotiated, and determined to be fundamental research according to the prime contractor and research performer.

Any assistance agreements made under the FOA are for scientific study and experimentation directed towards advancing the state of the art and increasing knowledge or understanding.

THIS ANNOUNCEMENT IS NOT FOR THE ACQUISITION OF TECHNICAL, ENGINEERING, OR OTHER TYPES OF SUPPORT SERVICES.

C. ELIGIBILITY INFORMATION

All responsible sources from academia may submit proposals under this FOA. Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) are encouraged to submit proposals and join others in submitting proposals. However, no portion of this FOA will be set aside for HBCU and MI participation due to the impracticality of reserving discrete or severable items of this research for exclusive competition among such entities.

Federally Funded Research & Development Centers (FFRDCs), including the Department of Energy National Laboratories are not eligible to receive awards under this FOA.

Navy laboratories and warfare centers as well as other Department of Defense and civilian agency laboratories are also not eligible to receive awards under this FOA.

UARCs are not eligible to submit proposals under this FOA.

U.S. export control legislation and authorities may apply to proposals submitted under this FOA. Applicants are solely responsible for ensuring compliance with all U.S. export control laws and regulations, including the International Traffic in Arms Regulations (ITAR) and the Export Administration Regulations (EAR). In some cases, developmental items funded by the Department of Defense are now included on the United States Munition List (USML) and are therefore subject to ITAR jurisdiction. Applicants should address in their proposals whether export control restrictions apply or do not apply, such as in the case where research products would have both civil and military (dual-use) applications, to the work they are proposing to perform.

The USML is available online at <http://www.ecfr.gov/cgi-bin/text-idx?node=pt22.1.121>.

The Commerce Control List (CCL) is available through <https://www.bis.doc.gov/index.php/regulations/commerce-control-list-ccl>.

Additional information regarding the President's Export Control Reform Initiative can be found at <http://export.gov/ecr/index.asp>.

D. APPLICATION AND SUBMISSION INFORMATION (ONE-STEP FOA PROCESS)

1. Application and Submission Process

Interested applicants may submit full technical and cost proposal in response to any of the topics areas identified above. Interested applicants may submit proposals under more than one topic of interest and there is no limit to the number of technical proposals a single interested applicant may submit. **However, interested applicants may not submit the same technical proposal in more than one topic identified in this FOA.** Additional topics of interest may be added to the FOA via an amendment at any time during the open period of this FOA.

NOTE TO APPLICANTS: The Government seeks only applications that are relevant and responsive to the Funding Opportunity Description in Section II.A. Proposals that fail to address areas listed in the FOA may be rejected and not considered further.

Applicants shall submit full proposals in accordance with the instructions below. The technical proposals will be evaluated in accordance with Section II.E. of this FOA.

2. Content and Format of Application Submission

Proposals submitted under this FOA are expected to be unclassified. Do not put proprietary markings in or on the Statement of Work. For proposals containing data that the applicant does not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, the applicant shall mark the title page with the following legend:

“This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed – in whole or in part – for any purpose other than to evaluate the proposal. If, however, a grant is awarded to this applicant as a result of – or in connection with – the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting grant. 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 (insert numbers or other identification of sheets).”

Also, mark each sheet of data that the applicant wishes to restrict with the following legend:

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

Titles given to the proposals should be descriptive of the work they cover and should not be merely a copy of the title of this FOA or a research area of interest noted above.

Required Forms

- SF 424 (R&R) form;
- SF-424 (R&R) Research and Related Other Project Information form (Volume 1 – Technical will be an attachment to this form)
- SF-424 (R&R) Senior/Key Person Profile (Resumes will be included as attachments)
- SF-424 (R&R) Research & Related Personal Data
- SF 424 (R&R) Research and Related Budget form;
- SF-LLL form if the applicant has lobbying that is required to be disclosed under 31 U.S.C. 1352, as implemented by the DoD at 32 CFR part 28; and
- SF-424 (R&R) Research and Related Project/Performance Site Location(s) form.

(1) SF 424 Form (RESEARCH & RELATED) (Mandatory) The SF 424 (R&R) form must be used as the cover page for all proposals. Complete all required fields in accordance with the “pop-up” instructions on the form and the following instructions for specific fields.

The completion of most fields is self-explanatory with the exception of the following special instructions:

- Field 3 - Date Received by State: The Date Received by State and the State Application Identifier are not applicable to research. Leave blank.
- Block 4a, Federal Identifier: Enter N00253
- Block 4b, Agency Routing Number: Enter the two (2) digit topic number (01-17).
- Block 4c Previous Grants.gov Tracking ID: Enter the Grants.gov tracking number of the previous proposal submission if this submission is for a changed/corrected application; otherwise, leave blank.
- Field 7 - Type of Applicant: Complete as indicated. If the organization is a Minority Institution, select “Other” and under “Other (Specify)” note that the institution is a Minority Institution (MI)
- Field 16 - Is Application Subject to Review by State Executive Order 12372 Process: Choose “No”. Check “Program is Not Covered by Executive Order 12372.”
- Field 17 – Certification: All awards require some form of certifications of compliance with national policy requirements. By checking the “I agree” box in field 17, and attaching the representations to Field 18 of the SF424 (R&R) as part of the electronic proposal submitted via Grants.gov, the Grant Applicant is providing the certification on lobbying required by 32 CFR Part 28 and representation regarding an unpaid delinquent tax liability or a felony conviction under any federal law – DoD appropriations.

(2) R&R Form: Research and Related Other Project Information (Mandatory)

- Fields 1 and 1a - Human Subject Use: Each proposal must address human subject involvement in the research by completing Fields 1 and 1a of the R&R Other Project Information form. For proposals containing activities that include or may include “research involving human subjects” as defined in DoD Instruction 3216.02, prior to award, the Applicant must submit the documentation under “Use of Human Subjects in Research” (Section II. H. 6.).

- Fields 2 and 2a – Vertebrae Animal Use: Each proposal must address animal use protocols by addressing Fields 2 and 2a of the R&R Other Project Information form. If animals are to be utilized in the research effort proposed, the Applicant must submit the documents described under “Use of Animals” (Section II. H. 6.).
- Fields 4a through 4d - Environmental Compliance: Address these fields and briefly indicate whether the intended research will result in environmental impacts outside the laboratory, and how the applicant will ensure compliance with environmental statutes and regulations.

Applicants who fail to provide a Technical POC’s name may receive a notice that their proposal is rejected.

To attach the technical proposal in Grants.gov, download the application package:

- Click on “Research and Related Other Project Information;”
- Click on “Move form to Submission List;”
- Click on “Open Form”

You will see a new pdf document titled “Research & Related Other Project Information.” Block 7 is the Project Summary/Abstract. Click on “Add attachment” and attach the project summary/abstract. The project abstract must identify the problem and objectives, technical approaches, anticipated outcome of the effort, if successful, and impact on DoD capabilities. You will not be able to type in the box, therefore, save the file you want to attach as a Project Summary or Abstract. Do not include proprietary or confidential information. Use only characters available on a standard QWERTY keyboard. Spell out all Greek letters, other non-English letters, and symbols. Graphics are not allowed and there is a 500-character limit. Do not include proprietary or confidential information. The project abstract must be marked by the applicant as “Approved for Public Release”. Abstracts of all funded projects will be posted on the public DTIC website: <https://dodgrantawards.dtic.mil/grants>

Block 8 is the Project Narrative. Click on “Add attachment: and attach the technical proposal. Save the file as “Technical Proposal” since you will not be able to type in the box.

a) Full Proposal Format –Technical Proposal and Cost Proposal –Technical Proposal and Cost Proposal (Applicants shall not submit the same proposal in response to more than one topic identified in the FOA.)

- Paper Size – 8.5 x 11-inch paper
- Margins – 1 inch
- Spacing – single or double spaced
- Font – Times New Roman, 12 point
- The full proposal should be submitted electronically at <http://www.grants.gov> as delineated in paragraph E below

b) Technical Proposal

Technical proposals are limited to five (5) pages. The cover page, table of contents, and resumes are excluded from the page count.

- **Cover Page:** This should include the words “Technical Proposal: and the following:
 - FOA Number: N00253-19-0001
 - Title of Proposal;
 - Topic Number
 - Identity of prime applicant and complete list of subawards, if applicable;
 - Technical contact (name, address, phone/fax, e-mail address) and;
 - Proposed period of performance (identify both the base period and any options, if included).
- **Table of Contents:** An alphabetical/numerical listing of the sections within the proposal, including corresponding page numbers.
- **Technical Approach and Justification:** The major portion of the proposal should consist of a clear description of the technical approach being proposed. This discussion should provide the technical foundation/justification for pursuing this particular approach/direction and why one would expect it to enable the objectives of the proposal to be met. Describe plans for the research training of students. Include the number of time equivalent graduate students and undergraduates, if any, to be supported each year. Discuss the involvement of other students, if any.
- **Project Schedule and Milestones:** A summary of the schedule of events and milestones.
- **Reports:** The following are sample reports that are typically required under a research effort
 - Technical and Financial Progress Report
 - Final Report

Grants do not include the delivery of software, prototypes, and other hardware deliverables.
- **Management Approach:** Describe in detail the overall approach to the management of this effort. Identify which personnel and subcontractors/subrecipients (if any) will be involved. Include a description of the facilities that are required for the proposed effort, along with a description of any Government furnished equipment/hardware/software/information required, by version and/or configuration.
- **Qualifications:** A discussion of the qualifications of the proposed Principal Investigator (PI) and any other key personnel. Provide resumes for the PI and other key personnel (if applicable) as attachments using the Research & Related Senior/Key Person Profile. Form and resumes are not included in the page count.
- **Rough Order of Magnitude (ROM):** Identify the estimated cost of the project. The ROM is the best guess of the anticipated cost of the effort. Do not include a cost proposal or any of the material that normally accompanies a cost proposal.

NOTE: The Government Accountability Office, in its report GAO-16-14, WOMEN IN STEM RESEARCH: Better Data and Information Sharing Could Improve Oversight of Federal Grant-making and Title IX Compliance, December 3, 2015, recommended that the Department of Defense collect certain demographic and career information to be able to assess the success rates of women who are proposed for key roles in applications in science, technology, engineering, or mathematics disciplines. To enable this assessment, each application must include the following two forms completed as indicated.

(3) SF-424 (R&R) Research and Related Senior/Key Person Profile (Expanded) form (Mandatory):

The Degree Type and Degree Year fields on the Research and Related Senior/Key Person Profile (Expanded) form will be used by DoD as the source for career information. In addition to the required fields on the form, applicants must complete these two fields for all individuals that are identified as having the project role of PD/PI or Co-PD/PI on the form. Additional senior/key persons can be added by selecting the "Next Person" button. *Note that, although applications without these fields completed may pass Grants.gov edit checks, if DoD receives an application without the required information, DoD may determine that the application is incomplete and should not be processed.*

(4) SF-424 (R&R) Research and Related Personal Data form (Mandatory):

This form will be used by DoD as the source of demographic information, such as gender, race, ethnicity, and disability information for the Project Director/Principal Investigator and all other persons identified as Co-Project Director(s)/Co-Principal Investigator(s). Each application must include this form with the name fields of the Project Director/Principal Investigator and any Co-Project Director(s)/Co-Principal Investigator(s) completed; however, provision of the demographic information in the form is voluntary. If completing the form for multiple individuals, each Co-Project Director/Co-Principal Investigator can be added by selecting the "Next Person" button. The demographic information, if provided, will be used for statistical purposes only and will not be made available to merit reviewers. Applicants who do not wish to provide some or all of the information should check or select the "Do not wish to provide" option.

(5) R&R Form: Research & Related Budget (Mandatory)

The applicant must use the Grants.gov forms (including the Standard Form (SF) Research and Related (R&R) Budget Form) from the application package template associated with the FOA on Grants.gov web site located at <http://www.grants.gov/>. If options are proposed, the cost proposal must provide the pricing information for the option periods; failure to include the proposed costs for the option periods will result in the options not being included in the award.

Use the following notional schedule to determine proposed period of performance and associated budget per topic:

Estimated Award Date: 15 July 2019
Estimated Approximate Award amount: \$20k

A separate Adobe pdf document should be included in the application that provides appropriate justification and/or supporting documentation for each element of cost proposed.

Part 1: The itemized budget must include the following:

- **Direct Labor:** Individual labor categories or persons with associated labor hours and unburdened direct labor rates. Provide escalation rates for out years.

- **Administrative and Clerical Labor:** Salaries of administrative and clerical staff are normally indirect costs (and included in an indirect cost rate). Direct charging of these costs may be appropriate when a major project requires an extensive amount of administrative or clerical support greater than normal and routine levels of support. Budgets proposing direct charging of administrative or clerical salaries must be supported with a budget justification that adequately describes the major project and the administrative and/or clerical work to be performed.
- **Fringe Benefits and Indirect Costs:** The proposal must show the rates and calculations of the costs for each rate category. If the rates have been approved/negotiated by a Government agency, provide a copy of the memorandum/agreement. If the rates have not been approved/negotiated, provide sufficient detail to enable a determination of allowability, allocability and reasonableness of the allocation bases, and how the rates are calculated. Additional information may be requested, if needed. If composite rates are used, provide the calculations used in deriving the composite rates.
- **Applicant Travel:** The proposed travel cost must include the following for each trip: the purpose of the trip, origin and destination if known, approximate duration, the number of travelers, and the estimated cost per trip (transportation, lodging, per diem) must be justified based on the organization's historical average cost per trip or other reasonable basis for estimation. Such estimates and the resultant costs claimed must conform to the applicable Federal cost principals. Applicants may include travel costs for the Principal Investigator to attend the peer reviews or progress reviews described in Section VII, paragraph J of this FOA.
- **Subawards/Subcontracts:** Provide a description of the work to be performed by the subrecipient/subcontractor. For each subaward, a detailed cost proposal is required to be submitted by the subrecipient(s). A proposal and supporting documentation must be received and reviewed before the Government can complete its cost analysis of the proposal and enter negotiations. The Navy's preferred method of receiving subcontract information is for this information to be included in the Prime's proposal. However, a subcontractor's cost proposal can be provided in a sealed envelope with the recipient's cost proposal or via e-mail directly to the Contract Specialist at the same time the prime proposal is submitted. The e-mail should identify the proposal title, the prime Applicant and that the attached proposal is a subcontract.
- **Consultants:** Provide a breakdown of the consultant's hours, the hourly rate proposed, any other proposed consultant costs, a copy of the signed Consulting Agreement or other documentation supporting the proposed consultant rate/cost, and a copy of the consultant's proposed statement of work if it is not already separately identified in the prime contractor's proposal.
- **Materials & Supplies:** Provide an itemized list of all proposed materials and supplies including quantities, unit price, and basis for the estimate (e.g., quotes, prior purchases, catalog price lists).
- **Recipients Acquired Equipment or Facilities:** Equipment and/or facilities are normally furnished by the recipient. If acquisition of equipment and/or facilities is proposed, a justification for the purchase of the items must be provided. Provide an itemized list of all equipment and/or facilities costs and the basis for estimate (e.g., quotes, prior purchases, catalog price lists). Allowable items are normally limited to research equipment not already available for the project. General purpose equipment (i.e., equipment not used exclusively for research, scientific or other technical activities,

such as personal computers, laptops, office equipment) should not be requested unless that equipment will be used primarily or exclusively for the project. For computer/laptop purchases and other general purpose equipment, if proposed, include a statement indicating how each item of equipment will be integrated into the program or used as an integral part of the research effort.

- **Other Direct Costs:** Provide an itemized list of all other proposed other direct costs such as Graduate Assistant tuition, laboratory fees, report and publication costs, and the basis for the estimate (e.g., quotes, prior purchases, catalog price lists).
- **Fee/Profit:** Fee/profit is unallowable under assistance agreements at either the prime or subaward level.

Part 2: Cost breakdown by Government fiscal year and task/subtask corresponding to the same task breakdown in the proposed Statement of Work. When options are contemplated, options must be separately identified and priced by task/subtask.

For submission instructions, See Part IV, Section F: Submission of Grant proposals through grants.gov.

3. Significant Dates and Times

This announcement will remain open until 2:00 pm (PDT) 10 June 2019 or until replaced by a successor FOA, whichever occurs first. Proposals may be submitted any time during this period. The Government reserves the right to reopen this FOA at a later date if deemed in the best interest of the Government. A full technical and cost proposal should be submitted by 2:00 pm (PDT), 10 June 2019.

4. How to Register to Apply through Grants.gov

a. *Instructions:* Applicants should read the registration instructions carefully and prepare the information requested before beginning the registration process. Reviewing and assembling the required information before beginning the registration process will alleviate last-minute searches for required information.

The registration process can take up to four weeks to complete. Therefore, registration should be done in sufficient time to ensure it does not impact your ability to meet required application submission deadlines.

(1) *Obtain a DUNS Number:* All entities applying for funding, including renewal funding, must have a Data Universal Numbering System (DUNS) number from Dun & Bradstreet (D&B). Applicants must enter the DUNS number in the data entry field labeled "Organizational DUNS" on the SF-424 form.

For more detailed instructions for obtaining a DUNS number, refer to:

<https://www.grants.gov/web/grants/applicants/organization-registration/step-1-obtain-duns-number.htm> 1

(2) *Register with SAM:* In addition to having a DUNS number, organizations applying online through Grants.gov must register with the System for Award Management (SAM). All organizations must

register with SAM in order to apply online. Failure to register with SAM will prevent your organization from applying through Grants.gov.

For more detailed instructions for registering with SAM, refer to:

<https://www.grants.gov/web/grants/applicants/organization-registration/step-2-register-with-sam.html>

(3) *Create a Grants.gov Account:* The next step is to register an account with Grants.gov. Follow the on-screen instructions or refer to the detailed instructions here:

<https://www.grants.gov/web/grants/applicants/registration.html>

4) *Add a Profile to a Grants.gov Account:* A profile in Grants.gov corresponds to a single applicant organization the user represents (i.e., an applicant) or an individual applicant. If you work for or consult with multiple organizations and have a profile for each, you may log in to one Grants.gov account to access all of your grant applications. To add an organizational profile to your Grants.gov account, enter the DUNS Number for the organization in the DUNS field while adding a profile. For more detailed instructions about creating a profile on Grants.gov, refer to:

<https://www.grants.gov/web/grants/applicants/registration/add-profile.html>

5) *EBiz POC Authorized Profile Roles:* After you register with Grants.gov and create an Organization Applicant Profile, the organization applicant's request for Grants.gov roles and access is sent to the EBiz POC. The EBiz POC will then log in to Grants.gov and authorize the appropriate roles, which may include the AOR role, thereby giving you permission to complete and submit applications on behalf of the organization. You will be able to submit your application online any time after you have been assigned the AOR role. For more detailed instructions about creating a profile on Grants.gov, refer to:

<https://www.grants.gov/web/grants/applicants/registration/authorize-roles.html>

6) *Track Role Status:* To track your role request, refer to:

<https://www.grants.gov/web/grants/applicants/registration/track-role-status.html>

5. Submission of Grant Proposals through Grants.gov

Grants.gov applicants can apply online using Workspace. Workspace is a shared, online environment where members of a grant team may simultaneously access and edit different webforms within an application. For each funding opportunity announcement (FOA), you can create individual instances of a workspace.

Below is an overview of applying on Grants.gov. For access to complete instructions on how to apply for opportunities, refer to: <https://www.grants.gov/web/grants/applicants/workspace-overview.html>

1) *Create a Workspace:* Creating a workspace allows you to complete it online and route it through your organization for review before submitting.

2) *Complete a Workspace:* Add participants to the workspace to work on the application together, complete all the required forms online or by downloading PDF versions, and check for errors before submission. The Workspace progress bar will display the state of your application

process as you apply. As you apply using Workspace, you may click the blue question mark icon near the upper-right corner of each page to access context-sensitive help.

a. *Adobe Reader:* If you decide not to apply by filling out webforms you can download individual PDF forms in Workspace. The individual PDF forms can be downloaded and saved to your local device storage, network drive(s), or external drives, then accessed through Adobe Reader.

NOTE: Visit the Adobe Software Compatibility page on Grants.gov to download the appropriate version of the software at: <https://www.grants.gov/web/grants/applicants/adobe-software-compatibility.html>

b. *Mandatory Fields in Forms:* In the forms, you will note fields marked with an asterisk and a different background color. These fields are mandatory fields that must be completed to successfully submit your application.

c. *Complete SF-424 Fields First:* The forms are designed to fill in common required fields across other forms, such as the applicant name, address, and DUNS Number. Once it is completed, the information will transfer to the other forms.

3) *Submit a Workspace:* An application may be submitted through workspace by clicking the Sign and Submit button on the Manage Workspace page, under the Forms tab. Grants.gov recommends submitting your application package at least 24-48 hours prior to the close date to provide you with time to correct any potential technical issues that may disrupt the application submission.

4) *Track a Workspace Submission:* After successfully submitting a workspace application, a Grants.gov Tracking Number (GRANTXXXXXXXX) is automatically assigned to the application. The number will be listed on the Confirmation page that is generated after submission. Using the tracking number, access the Track My Application page under the Applicants tab or the Details tab in the submitted workspace.

For additional training resources, including video tutorials, refer to:
<https://www.grants.gov/web/grants/applicants/applicant-training.html>

Applicant Support: Grants.gov provides applicants 24/7 support via the toll-free number 1-800-518-4726 and email at support@grants.gov. For questions related to the specific grant opportunity, contact the number listed in the application package of the grant for which you are applying.

If you are experiencing difficulties with your submission, it is best to call the Grants.gov Support Center and get a ticket number. The Support Center ticket number will assist NUWC Keyport with tracking your issue and understanding background information on the issue.

6. Timely Receipt Requirements and Proof of Timely Submission

a. Online Submission. All applications must be received by 11:59 pm Eastern time on the due date established for each program. Proof of timely submission is automatically recorded by Grants.gov. An electronic date/time stamp is generated within the system when the application is successfully received by Grants.gov. The applicant with the AOR role who submitted the application will receive an acknowledgement of receipt and a tracking number (GRANTXXXXXXXX) from Grants.gov with the successful transmission of their application. This applicant with the AOR role will also receive the official date/time stamp and Grants.gov Tracking number in an email serving as proof of their timely submission.

When NUWC Keyport successfully retrieves the application from Grants.gov, and acknowledges the download of submissions, Grants.gov will provide an electronic acknowledgment of receipt of the application to the email address of the applicant with the AOR role who submitted the application. Again, proof of timely submission shall be the official date and time that Grants.gov receives your application. Applications received by Grants.gov after the established due date for the program will be considered late and will not be considered for funding by NUWC Keyport.

Applicants using slow internet, such as dial-up connections, should be aware that transmission can take some time before Grants.gov receives your application. Again, Grants.gov will provide either an error or a successfully received transmission in the form of an email sent to the applicant with the AOR role attempting to submit the application. The Grants.gov Support Center reports that some applicants end the transmission because they think that nothing is occurring during the transmission process. Please be patient and give the system time to process the application.

Special Notice Relative to Grant Applications to be submitted through Grants.gov

All attachments to grant applications submitted through Grants.gov must be in Adobe Portable Document Format. Proposals with attachments submitted in word processing, spreadsheet, or any other format other than Adobe Portable Document Format will not be considered for award.

E. APPLICATION REVIEW INFORMATION

1. Evaluation Criteria

Awards under this FOA, if any, will be made to applicants on the basis of the evaluation criteria listed below, and program balance to provide overall value to the Government. NUWC Keyport reserves the right to select for award all some, one, or none of the proposals in response to this announcement. NUWC Keyport reserves the right to fund all, some, one, or none of the proposals received under this FOA. NUWC Keyport reserves the right to request any additional, necessary documentation once it makes the award instrument determination. NUWC Keyport reserves the right to remove applicants from award consideration should the parties fail to reach agreement on award terms, conditions, and cost/price within a reasonable time, or the applicant fails to timely provide requested additional information. Technical proposals will first be screened by an evaluator to determine if the proposal falls under the topic for which it was submitted. After this screening process, evaluations will be conducted using the following evaluation criteria:

- a. Technical Merit, based on the following:
 - (1) Overall scientific and technical merits of the technical proposal and SOW;
 - (2) Potential Naval relevance and contributions of the effort to the Navy's specific mission;
 - (3) The applicant's capabilities, related experience, facilities, techniques or unique combinations of these which are integral factors for achieving the proposal objectives; and
 - (4) The qualifications, capabilities and experience of the proposed Principal Investigator (PI), team leader, and key personnel who are critical in achieving the proposal objects.

Criteria 1.a.(1) through 1.a.(4) are of equal value.

- b. Student participation - educational quality of the effort, number of students and education levels pursued. Additionally, proposed students must be eligible for Navy intern programs and/or eligible for membership in the Navy's civil service, and have the ability to obtain a security clearance.
- c. Availability of funds

Criteria 1.a. Technical Merit is more important than Criteria 1.b. Student Participation. Criteria 1.a. Technical Merit and Criteria 1.b. Student Participation combined are significantly more important than Criteria 1.c. Availability of Funds.

2. Review and Selection Process

The primary bases for selecting proposals for acceptance shall be technical, importance to agency programs, student participation, and availability of funds. Cost realism and reasonableness may be considered to the extent considered appropriate by the Government in its sole discretion.

If your proposal is selected for possible award, the Government will analyze the cost of the work for realism and reasonableness. The cost of your proposal is considered, but is not an evaluation factor for award. The Government must ensure the costs you propose are reasonable, realistic, and allocable to this work before an award can be made. All costs must be determined as allowable prior to being determined reasonable. The Government may analyze your technical and cost information at the same time.

3. Options

The Government will analyze option costs in the same manner as discussed above.

4. Evaluation Panel

Technical and cost proposals submitted under this FOA will be protected from unauthorized disclosure using the same protections as contractor proposal information under FAR 3.104-4 and 15.207. The Government scientific experts will perform the evaluation of technical proposals.

5. General Information Regarding the Review and Selection Process for Grants

- i) Prior to making an award, NUWC Keyport shall review and consider any information about the applicant that is in the designated integrity and performance system, currently the Federal Awardee Performance and Integrity Information System (FAPIIS), accessible through the System for Award Management (SAM).
- ii) The applicant, at its option, may review information in the designated integrity and performance systems available through SAM and comment on any information itself that a Federal awarding agency previously entered and is currently in the designated integrity and performance systems available through SAM.
- iii) NUWC Keyport will consider any comments by the applicant, in addition to the other information in the designated integrity and performance system, in making a judgment about the applicant's integrity, business ethics, and record of performance under Federal awards when completing the review of risk posed by the applicant as described in 2 CFR Part 200.205 Federal awarding agency review of risk posed by applicants.
- iv) NUWC Keyport will also ensure that an applicant is not debarred or suspended prior to making an award.

F. FEDERAL AWARD ADMINISTRATION INFORMATION

1. SAM: All Applicants submitting proposals or applications must:

- 1) be registered in the SAM prior to submission;
- 2) maintain an active SAM registration with current information at all times during which it has an active Federal award or an application under consideration by any agency; and
- 3) provide its DUNS number in each application or proposal it submits to the agency.

The SAM is a FREE website that consolidates the capabilities previously found in CCR/FedReg, ORCA, and EPLS. Future phases of SAM will add the capabilities of other systems used in Federal procurement and awards processes.

SAM may be accessed at <https://www.sam.gov/SAM/>

2. Federal Award Notices

Applicants whose proposals are recommended for award may be contacted by a Contract or Grant specialist to discuss additional information required for award. This may include representations and certifications, revised budgets or budget explanations, certificate of current cost or pricing data, subcontracting plan for small businesses, and/or other information as applicable to the proposed award.

The notification e-mail must not be regarded as an authorization to commit or expend funds. The Government is not obligated to provide any funding until a Government Contracting Officer or Grants Officer, as applicable, signs the award document.

The award document signed by the Grants Officer is the official and authorizing award instrument.

3. Access to your Grant

NUWC Keyport award/modification documents will be provided by email and will be available via the Department of Defense (DoD) Electronic Document Access System (EDA) within the Wide Area WorkFlow e-Business Suite (<https://wawf.eb.mil/>).

Unless otherwise specified by the Applicant, notifications for the posting of award and modification documents to EDA will be directed to both the Technical Point of Contact and the Business Point of Contact identified in the Applicant's proposal.

EDA is a Web-based system that provides secure online access, storage and retrieval of awards and modifications to DoD employees and vendors.

If you do not currently have access to EDA, you may complete a self-registration request as a "Vendor" via <https://wawf.eb.mil/> following the steps below:

1. Click "Accept"
2. Click "Register" (top right)
3. Click "Agree"
4. In the "What type of user are you?" drop down, select "Vendor"
5. Select the systems you would like to access (iRAPT at a minimum)
6. Complete the User Profile and follow the site instructions.

Allow five business days for your registration to be processed. EDA will notify you by email when your account is approved.

To access awards after your registration has been approved, log into <https://wawf.eb.mil/>, select "EDA", select either EDA location, select "Contracts", select your search preference, enter the Grant Number in the Contract Number field, and select "View."

Registration questions may be directed to the EDA help desk toll free at 866-618-5988, commercial at 801-605-7095, or via email at disa.ogden.esd.mbx.cscassig@mail.mil (Subject: EDA Assistance).

4. Administrative and National Policy Requirements

a. Federal Funding Accountability and Transparency Act of 2006:

The Federal Funding Accountability and Transparency Act of 2006 (Public Law 109-282), as amended by Section 6202 of Public Law 110-252, and expanded by the Digital Accountability and Transparency Act of 2014 (Public Law 113-101), requires that all agencies establish requirements for recipients reporting information on subawards and executive total compensation as codified in 2 CFR Part 170. Any company, non-profit agency or university that applies for financial assistance (either grants, cooperative agreements, or other transaction agreements) as either a prime or sub-recipient under this FOA must provide information in its proposal that describes the necessary processes and

systems in place to comply with the reporting requirements identified in 2 CFR Part 170 Appendix A. Entities are required to meet reporting requirements unless an exception or exemption applies. Please refer to 2 CFR Part 170, including Appendix A, for a detailed explanation of the requirements, exceptions, and exemptions.

b. Military Recruiting on Campus:

This applies to domestic U.S. colleges and universities. Appropriate language from 32 CFR 22.520, Campus access for military recruiting and Reserve Officer Training Corps (ROTC), will be incorporated in all university grant awards.

c. Certification regarding Restrictions on Lobbying:

Grant and Cooperative Agreement awards require a certification of compliance with a national policy mandate concerning lobbying. Applicants shall provide this certification by electronic submission by electronic submission of SF424 (R&R) as part of the electronic proposal submitted via Grants.gov (complete field 17). The following certification applies:

- (1) No Federal appropriated funds have been paid or will be paid by or on behalf of the applicant, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the Federal contract, grant, loan, or cooperative agreement, the applicant shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The applicant shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S.C. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

d. Representation Regarding an Unpaid Delinquent Tax Liability or a Felony Conviction Under any Federal Law - DOD Appropriations:

All grant applicants are required to complete the "Representation on Tax Delinquency and Felony Conviction" form found at <https://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal.aspx> by checking the "I agree" box in block 17 and attaching the representation form to block 18 of the SF424 (R&R) as part of the electronic proposal submitted via Grants.gov. The representation reads as follows:

- (1) The applicant represents ____ **is/ is not** ____ a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in timely manner pursuant to an agreement with the authority responsible for collecting the tax liability;
- (2) The applicant represents that it ____ **is/ is not** ____ a corporation that was convicted of a felony criminal violation under any Federal law within the preceding 24 months.
NOTE: If an applicant responds in the affirmative to either of the above representations, the applicant is ineligible to receive an award unless the agency suspension and debarment official (SDO) has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The applicant therefore should provide information about its tax liability or conviction to the agency's SDO as soon as it can do so, to facilitate completion of the required consideration before award decisions are made.

e. Representation Regarding the Prohibition on Using Funds with Entities that Require Certain Internal Confidentiality Agreements:

Agreement with the representation below will be affirmed by checking the "I agree" box in block 17 of the SF424 (R&R) as part of the electronic proposal submitted via Grants.gov. The representation reads as follows:

By submission of its proposal or application, the applicant represents that it does not require any of its employees, contractors, or subrecipients seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting those employees, contractors, or subrecipients from lawfully reporting that waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information. Note that, as applicable, the bases for this representation are the prohibition(s) as follow:

- (a) Section 743 of the Financial Services and General Government Appropriation Act, 2015 (Division E of the Consolidated and Further Continuing Appropriations Act, 2015, Pub. L. 113-235)
- (b) Pub. L. 114-53, Continuing Appropriation Act, 2016, or any other Act that extends to fiscal year 2016 funds the same prohibitions as contained in section 743 of Division E, title VII of the Consolidated and Further Continuing Appropriations Act, 2015 (Pub. L. 113-235) and the Consolidated Appropriations Act, 2016 (Pub. L. 114-113).

- (c) Pub. L. 114-223, Continuing Appropriations Act, 2017, or any other Act that extends to fiscal year 2017 funds the same prohibitions as contained in section 743, Division E, title VII, of the Consolidated Appropriations Act, 2016 (Pub. L. 114-113) and the Consolidated Appropriations Act, 2017 (Pub. L. 115-31)
- (d) Pub. L. 115-56, Continuing Appropriations Act, 2018 and Supplemental Appropriations for Disaster Relief Requirements Act, 2017, or any other Act that extends to fiscal year 2018 funds the same prohibitions as contained in Section 743, Division E, title VII, of the Consolidated Appropriations Act, 2017 (Pub. L. 115-31) and the Consolidated Appropriations Act, 2018 (Pub. L. 115-141)
- (e) Pub. L. 115-245, Department of Defense and Labor, Health and Human Services, and Education Appropriations Act, 2019 and Continuing Appropriations Act, 2019, or any other Act that extends to fiscal year 2018 funds the same prohibitions as contained in Section 743, Division E, title VII, of the Consolidated Appropriations Act, 2018 (Pub. L. 115-41)
- (f) Any successor provision of law on making funds available through grants and cooperative agreements to entities with certain internal confidentiality agreements or statements.

f. Codes of Conduct and Conflicts of Interest:

Applicants for grants, cooperative agreements, or other transaction agreements as applicable are required to comply with 2 CFR 200.318(c), Codes of Conduct, to prevent real or apparent conflicts of interest in the award and administration of any contracts supported by federal funds. This provision will be incorporated into all assistance instruments awarded under this FOA.

g. Reporting:

If the Federal share of any Federal award may include more than \$500,000 over the period of performance, the post award reporting requirements, Award Term and Condition for Recipient Integrity and Performance Matters (2 U.S.C. 200 Appendix XII), is applicable as follows:

(i) Reporting of Matters Related to Recipient Integrity and Performance

a. General Reporting Requirement

If the total value of your currently active grants, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds \$10,000,000 for any period of time during the period of performance of this Federal award, then you as the recipient during that period of time must maintain the currency of information reported to the System for Award Management (SAM) that is made available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)) about civil, criminal, or administrative proceedings described in paragraph 2 of this award term and condition. This is a statutory requirement under section 872 of Public Law 110-417, as amended (41 U.S.C. 2313). As required by section 3010 of Public Law 111-212, all information posted in the designated integrity and performance system on or after April 15, 2011, except past performance reviews required for Federal procurement contracts, will be publicly available.

b. Proceedings About Which You Must Report:

Submit the information required about each proceeding that:

- (i) Is in connection with the award or performance of a grant, cooperative agreement, or procurement contract from the Federal Government;
- (ii) Reached its final disposition during the most recent five-year period; and
- (iii) Is one of the following:
 - (1) A criminal proceeding that resulted in a conviction, as defined in paragraph 5 of this award term and condition;
 - (2) A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more;
 - (3) An administrative proceeding, as defined in paragraph 5. of this award term and condition, that resulted in a finding of fault and liability and your payment of either a monetary fine or penalty of \$5,000 or more or reimbursement, restitution, or damages in excess of \$100,000; or
 - (4) Any other criminal, civil, or administrative proceeding if:
 - (i) It could have led to an outcome described in paragraph 2.c.(1), (2), or (3) of this award term and condition;
 - (ii) It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on your part; and
 - (iii) The requirement in this award term and condition to disclose information about the proceeding does not conflict with applicable laws and regulations.

c. Reporting Procedures:

Enter in the SAM Entity Management area the information that SAM requires about each proceeding described in paragraph 2 of this award term and condition. You do not need to submit the information a second time under assistance awards that you received if you already provided the information through SAM because you were required to do so under Federal procurement contracts that you were awarded.

d. Reporting Frequency

During any period of time when you are subject to the requirement in paragraph 1 of this award term and condition, you must report proceedings information through SAM for the most recent five-year period, either to report new information about any proceeding(s) that you have not reported previously or affirm that there is no new information to report. Recipients that have Federal contract, grant, and cooperative agreement awards with a cumulative total value greater than \$10,000,000 must disclose semiannually any information about the criminal, civil, and administrative proceedings.

e. Definitions

For purposes of this award term and condition:

- (i) Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include audits, site visits, corrective plans, or inspection of deliverables.
- (ii) Conviction, for purposes of this award term and condition, means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of nolo contendere.
- (iii) Total value of currently active grants, cooperative agreements, and procurement contracts includes—
 - (1) Only the Federal share of the funding under any Federal award with a recipient cost share or match; and
 - (2) The value of all expected funding increments under a Federal award and options, even if not yet exercised.

h. Security Classification:

In order to facilitate intra-program collaboration and technology transfer, the Government will attempt to enable technology developers to work at the unclassified level to the maximum extent possible. If access to classified material will be required at any point during performance, the Applicant must clearly identify such need in Section II, Block 11 of the Proposal Checklist. If it is determined that access to classified information will be required during the performance of an award, a Department of Defense (DD) Form 254 will be attached to the contract, and FAR 52.204-2 - Security Requirements will be incorporated into the contract.

NUWC Keyport does not provide access to classified material under grants.

i. Institutional Dual Use Research of Concern:

As of September 24, 2015, all institutions and USG funding agencies subject to the [United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern](#) must comply with all the requirements listed therein. If your research proposal directly involves certain biological agents or toxins, contact the cognizant Technical Point of Contact. U.S. Government Science, Safety, Security (S3) guidance may be found at <http://www.phe.gov/s3/dualuse>.

j. Project Meetings and Reviews:

Individual program reviews between the NUWC Keyport sponsor and the performer may be held as necessary. Program status reviews may also be held to provide a forum for reviews of the latest results from experiments and any other incremental progress towards the major demonstrations. These meetings will be held at various sites throughout the country. Additionally, there may be peer reviews in which all current NUWC Keyport NEEC projects are

presented together. For costing purposes, applicants should assume that 40% of these meetings will be at or near NUWC Keyport identified in the topic area 60% at other contractor or government facilities. Program reviews may also be accomplished via video telephone conferences, telephone conferences, or via web-based collaboration tools.

k. Reporting Executive Compensation and First-Tier Subcontract Awards:

All grants and cooperative agreements awarded under this FOA will use an award term similar to FAR clause 52.204-10, "Reporting Executive Compensation and First-Tier Subcontract Awards."

G. FEDERAL AWARDING AGENCY CONTACT(S)

Business POC

Naval Undersea Warfare Center Division, Keyport
ATTN: Katie Harrigan
Code 022
360-315-3429
Email: kathleen.harrigan@navy.mil

Technical POCs

Aaron Darnton
360-315-6780
aaron.darnton@navy.mil

H. OTHER INFORMATION

1. DEBRIEFINGS

Applicants whose proposals are not recommended for award may request a debriefing within ten (10) calendar days to discuss the evaluation of their proposal. The nature, form, and date of a debriefing is within the discretion of the Government. Additional information on debriefing requests will be forwarded to applicants with the notice advising of a proposal not being recommended for award.

2. Organizational Conflicts of Interest

All Applicants and proposed subcontractors must affirm whether they are providing scientific, engineering, and technical assistance (SETA) or similar support to any of the activities identified in the FOA through an active procurement contract, subcontract, grant or cooperative agreement. All affirmations must state which office(s) the applicant supports and identify the prime contract numbers. Affirmations shall be furnished at the time of proposal submission. All facts relevant to the existence or potential existence of organizational conflicts of interest (FAR 9.5) must be disclosed. The disclosure shall include a description of the action the applicant has taken or proposes to take to avoid, neutralize, or mitigate such conflict. In accordance with FAR 9.503 and without prior approval, a contractor cannot simultaneously be a SETA and a research and development performer. Proposals that fail to fully disclose potential conflicts of interests or do

not have acceptable plans to mitigate identified conflicts will be rejected without technical evaluation and withdrawn from further consideration for award. If a prospective applicant believes that any conflict of interest exists or may exist (whether organizational or otherwise), the applicant should promptly raise the issue with NUWC Keyport by sending his/her contact information and a summary of the potential conflict by e-mail to the Business Point of Contact in Section I, item 7 above, before time and effort are expended in preparing a proposal and mitigation plan. If, in the sole opinion of the Contracting Officer after full consideration of the circumstances, any conflict situation cannot be effectively avoided or mitigated, the proposal may be rejected without technical evaluation and withdrawn from further consideration for award under this FOA