

Electronic Warfare Technology

Table of Content

The following information presents the basic organization of this document as well as the location of significant information:

- I. General Information
 - A. Agency Name
 - B. Research Opportunity Title
 - C. Program Name
 - D. Research Opportunity Number
 - E. Response Date
 - F. Research Opportunity Description
 - G. Point(s) of Contact
 - H. Instrument Type(s)
 - I. Catalog of Federal Domestic Assistance (CFDA) Numbers
 - J. Catalog of Federal Domestic Assistance (CFDA) Titles
 - K. Other Information
- II. Award Information
 - A. Amount and Period of Performance
- III. Eligibility Information
- IV. Application and Submission Information
 - A. Application and Submission Process
 - B. Content and Format of White Papers/Full Proposals
 - a. White Papers
 - b. Full Proposals
 - i. Instructions for Contracts
 - ii. Instructions for Grants
 - C. Significant Dates and Times
 - D. Submission of Late Proposals
 - E. Submission of Grant Proposals through Grants.gov
 - F. Submission of White Papers and Full Proposals for Contracts, Cooperative Agreements and Other Transaction Agreements
- V. Evaluation Information
 - A. Evaluation Criteria
 - B. Commitment to Small Business - (Contract Awards Only)
 - C. Options
 - D. Evaluation Panel
- VI. Award Administration Information
- VII. Other Information
 - A. Applies to Grant, Cooperative Agreement and Other Transaction Agreement applications only
 - B. Applies to Contracts only
 - C. Applies to Contracts, Grants and other Assistance Agreements
 - D. Other Guidance, Instructions, and Information

INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2) and 35.016 and the Department of Defense Grants and Agreements Regulations (DoDGARS) 22.315(a). A formal Request for Proposals (RFP), other solicitation, or additional information regarding this announcement will not be issued.

The Office of Naval Research (ONR) will not issue paper copies of this announcement. The ONR reserves the right to fund all, some or none of the proposals received under this BAA. ONR provides no funding for direct reimbursement of proposal development costs. Technical and cost proposals (or any other material) submitted in response to this BAA will not be returned. It is the policy of ONR to treat all proposals as sensitive competitive information and to disclose their contents only for the purposes of evaluation.

I. GENERAL INFORMATION:

A. Agency Name - Office of Naval Research

B. Research Opportunity Title - Electronic Warfare Technology

C. Program Name - Electronic Warfare Discovery and Invention (D&I)

D. Research Opportunity Number – BAAONR14-006

E. Response Date -

White Papers: 2/4/2014

Full Proposals: 5/6/2014

F. Research Opportunity Description -

The goal of Electronic Warfare (EW) is to control the Electro-Magnetic Spectrum (EMS) by exploiting, deceiving, or denying enemy use of the spectrum while ensuring its use by friendly forces. To that end, the Office of Naval Research (ONR) EW Discovery and Invention (D&I) program invests in Science and Technology (S&T) initiatives that will provide naval forces (including Navy and Marine Corps) with improved threat warning systems; Electronic warfare Support (ES); decoys and countermeasures against weapon tracking and guidance systems; Electronic Attack (EA) against adversary Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR); and Electronic Protection (EP) of our own

weapons and C4ISR from intentional and unintentional interference.

ONR has funded related technology development under numerous programs. If Offerors are enhancing work performed under other ONR or Government projects, they must clearly identify the point of departure and what existing work will be brought forward and what new work will be performed under this BAA.

ONR Code 312 Electronic Warfare (312EW) seeks proposals for efforts that shall develop and demonstrate technologies for the next generation systems in electronic warfare. White papers and subsequent proposals should address technology developments in one or more of the following areas:

Area 1. Radio Frequency (RF) / Millimeter Wave (mmW) Electronic Warfare Subsystem Demonstrators (SSDs)

The objective is to leverage prior investments by ONR and other Government organizations in electronic and photonic technologies, techniques, components, devices and subsystems to create subsystem demonstrators (SSDs) of advanced EW capabilities in the RF and mmW portions of the EMS. For the purposes of this BAA, an SSD will be defined as an integrated collection of components, devices and subsystems that, in conjunction with other established or developmental technologies and techniques, will demonstrate an end-to-end EW capability from the list below. Each SSD will demonstrate both the functional configuration and capability of a final EW subsystem, though not necessarily the physical configuration, packaging, or form factor. White papers and subsequent proposals will encompass not only the development of these SSDs but also a final government-witnessed demonstration in a tactically relevant real or simulated environment. In order to speed the transition of these capabilities to military (Navy, Marine Corps and Joint service) systems, Offerors are encouraged to make use of existing standards for open and modular systems that are either non-proprietary (e.g. VITA, open VPX, etc.) or to which the government has full and open rights. While each SSD description below highlights the need for reducing Size, Weight and Power (SWAP) by design, actual SWAP savings may be demonstrated through analysis rather than physical measurement. Proposals that are contingent upon ONR providing government furnished equipment, instrumentation, test facilities, or threat hardware and information for exploitation are NOT acceptable. The Offeror must also provide a list of the prior ONR and Government research efforts that will be leveraged for the proposed effort with a clear integration strategy. The number and quality of leveraged efforts will be considered as an evaluation criteria for selection. A categorized listing of prior ONR Code 312EW funded efforts from fiscal year 2008 to 2013, including titles and points of contact is provided as Attachment 1. Other sources

of Government-funded technology will also be considered. The SSD shall use technologies that are conducive to minimizing SWAP requirements for future tactical implementation on SWAP-constrained vehicles or platforms. Potential RF/mmW EW SSD candidates include:

Area 1 – a. Broadband RF/mmW Receiver SSD for Unknown Signal Detection, Identification, Direction Finding, and Tracking:

This SSD shall be able to sense and process signals of unknown frequency, modulation, pulse duration (including non-pulsed waveforms), and strength over a broad continuous spectral band encompassing RF and mmW frequencies (500 MHz to 110 GHz objective). The SSD shall be able to precisely parameterize the detected signals in order to identify the signal among a database of signal classes or types. The SSD shall further precisely determine the direction of the signal, referenced against the physical orientation of the receiver, in less than a second from signal detection, and be able to precisely geo-locate the signal when information from multiple receivers are networked together. The SSD shall be able to detect and characterize weak signals (signal sensitivity -90 dBm or better threshold, -105 dBm or better objective) in the presence of much stronger signals (spur free dynamic range 50 dB or better threshold, 70 dB or better objective), which are closely spaced in both frequency (resolution bandwidth 50 MHz or better threshold, 1MHz or better objective) and physical location. The SSD receiver shall not rely on scanning any part of the frequency range or multiple-pulse integration in order to detect low probability of interception / low probability of detection (LPI/LPD) type signals. The processing of signal detection, identification, direction finding, and tracking shall be largely automatic, though operator interaction in order to more precisely characterize signal parameters is permitted. A demonstration of this SDD over a smaller portion of the spectrum will be permitted if a clear and reasonable approach to scaling the concept to the full bandwidth is provided. Finally, the SSD shall use technologies that are conducive to minimizing SWAP requirements for future tactical implementation on SWAP-constrained vehicles or platforms.

Area 1 - b. Wideband, Multi-Signal, Simultaneous Transmit and Receive (STAR) RF Front-End SSD:

This SSD shall provide the capability to simultaneously transmit and receive numerous signals across a wideband (500 MHz to 45 GHz threshold, 500 MHz to 110 GHz objective) of the EMS. The objective is to support many simultaneous signals and functions such as EW, communications, and signals intelligence (SIGINT) using a common front-end with a limited number of power amplifiers and apertures. The RF front-end shall provide an adjacent channel simultaneous transmit and receive (STAR) capability that allows for the operation of a large number of wideband (500 MHz) and narrowband (<50 MHz) RF functions. This SDD can utilize analog, digital, and photonic technologies and techniques for achieving the filtering, channelization, isolation, and intermodulation reduction required between the adjacent signals. The SDD shall provide up to 120 dB of isolation in adjacent transmit and receive (TX/RX) channels. In addition to the full frequency band adjacent channel STAR capability, the

SSD shall also be capable of providing co-channel STAR capability for a reduced number of wideband (500 MHz) and narrowband (<50 MHz) signals that is tunable across the full frequency band. A layered approach of aperture design, signal cancelation, analog filtering, digital pre and post distortion, and other technologies and techniques is envisioned to meet the required metrics. A demonstration of this SSD over a smaller portion of the spectrum will be permitted if a clear and reasonable approach to scaling the concept to the full bandwidth is provided. Finally, the SSD shall use technologies that are conducive to minimizing SWAP requirements for future tactical implementation on SWAP-constrained vehicles or platforms.

Area 1 - c. Millimeter Wave (mmW) Electronic Warfare SSD:

This SSD shall be able to detect signals and automatically deceive or deny the operation of the system(s) emitting the signals over a full frequency range of 18 - 45 GHz. The transmitter subsystem (consisting of power amplifier(s), matching network, and radiating element) shall be capable of achieving 1-4 kW or greater effective radiated power (ERP) for small decoy applications or capable of being combined to achieve 100 kW or greater ERP for large platform applications across the entire 18 - 45 GHz frequency range. (These ERP goals are peak power levels measured at a 10% or better duty factor; higher duty factor operation is also desired but a decrease of the ERP by 6-8 dB at 100% duty factor is acceptable.) The receiver subsystem must be capable of continuous operation when the TX/RX subsystem apertures are closely spaced (threshold) or share the same aperture (objective), using advanced technologies to suppress or cancel self-generated interference. The SSD shall be capable of automatic signal processing and generation of electronic attack waveforms and techniques based on the received signal parameters using established or developmental techniques or technologies such as Digital RF Memory (DRFM)-based technique generators. Finally, the SSD shall use technologies that are conducive to minimizing SWAP requirements for future tactical implementation on SWAP-constrained vehicles or platforms.

Area 2 - Compact and Efficient EW Antennas Covering HF to VHF (3-300 MHz)

The objective is to improve the capability of military (Navy, Marine Corps and Joint service) EW systems to detect, deny or deceive sensors, communications or other systems operating in the HF (3-30 MHz) and VHF (30-300 MHz) bands of the EMS. Current constraints on EW systems in these bands are the physical size and performance of the required antenna. It is not unusual for whip antennas operating at these frequencies to be many meters in length and operate at less than unity gain. It is also typical for these antennas to be omnidirectional with no ability to either concentrate radiated power on a localized target (for an EA application) or determine signal direction (for an ES application). This section of the current solicitation seeks technologies and techniques to achieve physically small antennas covering the HF and VHF with no physical dimension exceeding 1 meter (threshold) or 30 centimeters (objective). Technologies that are conducive to minimizing SWAP requirements for future tactical implementation on SWAP-constrained vehicles or platforms are desired. Technologies that are conformal to the skin of a vehicle or platform are also desirable.

The antenna design shall achieve a voltage standing wave ratio (VSWR) of better than 3:1 (threshold) or 2:1 (objective) while maximizing efficiency and gain over the full 3-300 MHz band (unity gain or better is an objective). For EA antenna designs a sustained power handling capability of greater than 100 watts (threshold) or 1 kilowatt (objective) is desired. For ES antenna designs the ability to precisely determine the direction of the detected signal is desired, as well as the ability to precisely geo-locate the signal when information from multiple antennas are networked together.

Area 3 - W-Band Millimeter Wave (mmW) High Power Transmitters

The objective is to improve the capability of military (Navy, Marine Corps and Joint service) EA systems to deny or deceive sensors or weapons guidance systems operating in the millimeter wave (mmW) bands of the EMS. While ONR has on-going interest in wideband EA transmitter systems which operate across the breadth of the mmW spectrum, this section of the current solicitation is limited to the W-Band (75-110 GHz) frequency range. Transmitter systems (consisting of power amplifier(s), matching network, and radiating element) capable of achieving 1-4 kW or greater ERP for small decoy applications or capable of being combined to achieve 100 kW or greater ERP for large platform applications across the entire 75-110 GHz frequency range are desired. (These ERP goals are peak power levels measured at a 10% or better duty factor; higher duty factor operation is also desired but a decrease of the ERP by 6-8 dB at 100% duty factor is acceptable.) Technology solutions are permitted using vacuum components, solid-state components, or combinations of both. Proposed system concepts should include a detailed end-to-end system analysis, with such considerations as input power needs, power distribution, cooling, component placement, isolation, aperture architecture, and beam-forming. The delivered system should demonstrate the ability to project the requested ERP across the full 75-110 GHz spectral band against a far-field target in a controlled and sustained beam and be able to transmit linear and phase controlled jamming waveforms capable of preserving complex signal content and coding

Area 4 - Innovative EW Concepts

The objective is to explore truly innovative concepts in the EW areas of EWS, EA, or EP which could fundamentally change the way military (Navy, Marine Corps and Joint service) forces conduct EW operations. (Note: This sub-section should only be cited by proposals that do not fall within any of the other sub-sections of this Research Opportunity Description.)

Offerors submitting proposals in response to this solicitation should focus on innovative solutions involving emerging, cutting-edge technologies. Solutions that use Commercial Off-The-Shelf (COTS) or other traditional technologies are less desirable, unless the application of these technologies is truly innovative in approach. Likewise, proposals that seek primarily to demonstrate the military application of existing technology or techniques, in either a laboratory or field environment, are discouraged unless a truly significant capability advance can be achieved through this

demonstration. Finally, proposals that are contingent upon ONR providing government furnished equipment, instrumentation, test facilities, or threat hardware and information for exploitation are NOT acceptable.

Work funded under a BAA may include basic research, applied research and some advanced technology development (ATD). With regard to any restrictions on the conduct or outcome of work funded under this BAA, ONR 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 the definition of "contracted fundamental research", in a DoD 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 Category 6.2 (Applied Research) and NOT performed on-campus at a university or b) funded by Budget Category 6.3 (Advanced Research) does not meet the definition of "contracted fundamental research." In conformance with the USD(AT&L) guidance and National Security Decision Direction 189, ONR will place no restriction on the conduct or reporting of unclassified "contracted fundamental research," except as otherwise required by 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.

Normally, fundamental research is awarded under grants with universities and under contracts with industry. ATD is normally awarded under contracts and may require restrictions during the conduct of the research and DoD pre-publication review of research results due to subject matter sensitivity.

FAR Part 35 restricts the use of the Broad Agency Announcements (BAAs), such as this, to the acquisition of basic and applied research and that portion of advanced technology development not related to the development of a specific system or hardware procurement. Contracts and grants and other assistance agreements made under BAAs are for scientific study and experimentation directed towards advancing the state of the art and increasing knowledge or understanding.

As regards to the present BAA, the Research and Development efforts to be funded will consist of applied research and advanced technology development. The funds available to support awards are Budget Activity 2 and 3.

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

G. Point(s) of Contact -

Questions of a technical nature should be submitted to:

Technical Primary Point of Contact:

Dr. Peter Craig

Office of Naval Research

ONR Code 312 - Electronic Warfare Electronics, Sensors, and Network Research
Division

875 North Randolph Street, Suite 1112

Arlington, VA 22203-1995

Email: peter.craig@navy.mil

Technical Secondary Point of Contact:

Dr. Kevin Rudd

Office of Naval Research

ONR Code 312 - Electronic Warfare Electronics, Sensors, and Network Research
Division

875 North Randolph Street, Suite 1125

Arlington, VA 22203-1995

Email: kevin.e.rudd@navy.mil

Questions of a Business nature, and suggestions for improvement, should be submitted to:

Business Primary Point of Contact:

Alan Kesten

Office of Naval Research

ONR Code BD 252

Office of Naval Research

875 North Randolph Street, Suite W1272D

Arlington, VA 22203-1995

Email: alan.kesten@navy.mil

Business Secondary Point of Contact:

Susan M. Paolini

Office of Naval Research

ONR Code BD 252

875 North Randolph Street, Suite 1279

Arlington, VA 22203-1995
Email: susan.paolini@navy.mil

Any questions regarding this solicitation must be provided to the Technical Point of Contact (TPOC) and Business Point of Contact listed in this solicitation. All questions shall be submitted in writing by electronic mail.

Comments or questions submitted should be concise and to the point, eliminating any unnecessary verbiage. In addition, the relevant part and paragraph of the Broad Agency Announcement (BAA) should be referenced.

Questions submitted within 2 weeks prior to a deadline may not be answered, and the due date for submission of the white paper and/or full proposal will not be extended.

Amendments will be posted to one or more of the following webpages:

- Federal Business Opportunities (FEDBIZOPPS) Webpage - <https://www.fbo.gov/>
- Grants.gov Webpage - <http://www.grants.gov/>
- ONR Broad Agency Announcement (BAA) Webpage - <http://www.onr.navy.mil/en/Contracts-Grants/Funding-Opportunities/Broad-Agency-Announcements.aspx>

Questions of a security nature should be submitted to:

Diana Pacheco
Industrial Security Specialist
Office of Naval Research
Security Department, Code 43
One Liberty Center
875 N. Randolph Street
Arlington, VA 22203-1995
Email Address: diana.pacheco@navy.mil

Note: All UNCLASSIFIED communications shall be submitted via email to the (TPOC) with a copy to the designated Business POC.

CLASSIFIED questions shall be handled through the ONR Security POC. Specifically, any entity wanting to ask a CLASSIFIED question shall send an email to the ONR Security POC with copy to both the TPOC and the Business POC stating that the entity would like to ask a CLASSIFIED question. DO NOT EMAIL ANY CLASSIFIED QUESTIONS. The Security POC will contact the entity and arrange for the CLASSIFIED question to be asked through a secure method of communication.

H. Instrument Type(s) - Contracts and Grants

Awards may take the form of Contracts and Grants as appropriate. ONR reserves the right to award a different instrument type if deemed to be in the best interest of the Government.

Any contract awards resulting from this BAA will incorporate the most current FAR, DFARS, NMCARS and ONR clauses.

Examples of model contracts can be found on the ONR website at the following link: <http://www.onr.navy.mil/Contracts-Grants/submit-proposal/contracts-proposal/contract-model-awards.aspx>. ONR Contract specific representations and certifications can be accessed on the following page of the ONR website: <http://www.onr.navy.mil/Contracts-Grants/Funding-Opportunities/Requests-for-Information.aspx>.

Examples of model grants can be found on the ONR website at the following link: <http://www.onr.navy.mil/en/Contracts-Grants/submit-proposal/grants-proposal/model-grant.aspx>.

I. Catalog of Federal Domestic Assistance (CFDA) Numbers -

12.300

J. Catalog of Federal Domestic Assistance (CFDA) Titles -

Basic & Applied Scientific Research

K. Other Information -

II. AWARD INFORMATION

A. Amount and Period of Performance -

One or more awards per Area/Sub-Area, as described in the Research Opportunity Description, are anticipated, subject to the limitations of new fiscal year funding. An Offeror may propose on more than one Area or Sub-Area.

In conjunction with the U.S. Army Communications-Electronics Research, Development and Engineering Center (CERDEC) and the U.S. Air Force Research Laboratory (AFRL), ONR plans to fund individual awards of \$3,000,000.00 to \$4,000,000.00 per year (Area 1 only) or \$500,000.00 to \$1,500,000.00 per year (Areas 2 through 4) using some combination of Budget Category 6.2 and Budget Category 6.3 funds. However, lower and higher cost efforts will be considered. Total funding under this BAA (and the parallel solicitation discussed below) is anticipated to be approximately \$10,500,000.00 per year, or \$31,500,000.00 over the three years. There may be more than one performer per Area and Sub-Area (or none).

The period of performance of the awards will range from twelve (12) to thirty six (36) months. The estimated start date of selected projects is 02 January 2015, subject to date of final award and availability of new fiscal year funds.

At the same time this BAA is posted, the Government will send out a parallel solicitation to government labs and other parties that are barred from proposing to the BAA. There are no fixed percentages or set-asides for the two solicitations and ALL the White Papers/Oral Briefs/Proposals are evaluated together to determine which should be funded as the “best of the best”.

The award(s) will be made for the full performance period requested. Options will not be utilized.

III. ELIGIBILITY INFORMATION

All responsible sources from academia and industry may submit proposals under this BAA. Inclusive of Small Business Concerns, Historically Underutilized Business Zone (HUBZone) Concerns, Service-Disabled Veteran-Owned Small Business (SDVOSB) Concerns, Small Disadvantaged Business (SDB) Concerns, Women-Owned Small Business (WOSB) Concerns, Veteran-Owned Small Business (VOSB) Concerns, and Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) are all highly encouraged to submit proposals as prime contractors and as well as joint others (e.g., subcontractors) in submitting proposals. However, no portion of this BAA will be set-aside for Small Businesses, HUBZones, SDVOSBs, SDBs, WOSBs, VOSBs or HBCU and MI participation, due to the desire to seek research ideas from all entities.

Federally Funded Research & Development Centers (FFRDCs), including Department of Energy National Laboratories, are not eligible to receive awards under this BAA. However, teaming arrangements between FFRDCs and eligible principal bidders are allowed so long as they are permitted under the sponsoring agreement between the Government and the specific FFRDC.

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 BAA and should not directly submit either white papers or full proposals in response to this BAA. If any such organization is interested in one or more of the programs described herein, the organization should contact an appropriate ONR POC to discuss its area of interest. The various scientific divisions of ONR are identified at <http://www.onr.navy.mil/>. As with FFRDCs, these types of federal organizations may team with other responsible sources from academia and industry that are submitting proposals under this BAA.

University Affiliated Research Centers (UARC) are eligible to submit proposals under this BAA unless precluded from doing so by their Department of Defense UARC contracts.

Teams are also encouraged and may submit proposals in any and all areas. However, Offerors must be willing to cooperate and exchange software, data and other information in an integrated program with other contractors, as well as with system integrators, selected by ONR.

Some topics cover export controlled technologies. Research in these areas is limited to "U.S. persons" as defined in the International Traffic in Arms Regulations (ITAR) - 22 CFR § 1201.1 et seq.

IV. APPLICATION AND SUBMISSION INFORMATION

A. Application and Submission Process - Industry Day, White Paper, Oral Presentation, Full Proposals

Industry Day Briefing: The ONR EW D&I Program will conduct an unclassified briefing for potential Offerors on Friday, 10 January 2014 in Arlington VA. The purpose of the meeting will be to provide potential Offerors with a better understanding of the scope of the ONR EW program and objectives of this BAA. The briefing will be held at 10:00 AM Eastern Standard Time (EST) with check-in beginning at 9:00 AM (EST). All attendees are required to pre-register by sending a notification of planned attendance via email to ONR_312_EC@navy.mil by 3:00 PM (EST) on Tuesday, 07 January 2014. The message must include the following information: name of attendee(s), title(s), organization, department or company division, phone, fax, and email address. Pre-registration by email is mandatory; **WALK-IN REGISTRATION WILL NOT BE PERMITTED**. If requested attendance exceeds capacity, it may be necessary to limit attendance, and organizations will be so notified. ONR will reply via email on or before Wednesday, 08 January 2014 to those parties who plan on attending the briefing with the specific location in the Arlington, VA area where the briefing will be conducted, directions, schedule, and any other appropriate information. Those not able to attend this briefing should consult the web page <http://www.onr.navy.mil/02/BAA/> after Tuesday, 14 January 2014 to see briefing slides and answers to questions submitted during the conference.

White Papers: The due date for White Papers is no later than 3:00 PM (EST) on Tuesday, 04 February 2014. White Papers shall be submitted as an Adobe PDF or Word 2007 file via a secure (encrypted) file transfer protocol (FTP) site. All potential Offerors must register for a user account to the FTP site prior to submitting their White Papers by sending an email to ONR_312_EC@navy.mil. The subject line of the email must state "BAA 14-006 FTP User Registration". The body of the email must include the primary point of contact's name, any additional points of contacts (names), title(s), organization, department(s) or company division(s), telephone and fax numbers, and email address(es). Registrants will receive a reply email from the FTP Site Administrator that includes the user name, a temporary password, and the internet protocol (IP) address of the FTP site along with uploading instructions. Potential Offerors will be able to start registering for user accounts on Monday, 13 January 2014, and will be issued within two business days of the received email request. Email

registration requests for user accounts that are submitted less than 48 hours before the White Paper submission deadline may not be issued. If an Offeror does not submit a White Paper before the due date and time, it is ineligible to participate in the remaining Full Proposal submission process and is ineligible for Fiscal Year (FY) 2015 funding. Evidence of successful and timely submissions will be provided on-screen to Offerors via the FTP site. It is recommended that Offerors initiate a "print screen" capture of the successful submission for their records. Additionally, the FTP Site Administrator will maintain an event log of all activity, including successful/failed file uploads with a date and time stamp. All user accounts will be disabled on Tuesday, 04 February 2014 at 3:00:01 PM (EST) and further file uploads will not be permitted. Each white paper should state that it is submitted in response to BAA Number 14-006 and cite the particular sub-section of the Research Opportunity Description that the White Paper is primarily addressing, e.g. 1a, 1c, 2, etc.

ONR evaluations of the White Papers will be issued via email notification on or about Friday, 21 February 2014.

Oral Presentation: ONR requests that Project Managers (PMs)/Principal Investigators (PIs) provide an expanded oral presentation from those Offerors whose proposed technologies have been identified as being of "particular value" to ONR. The purpose of the oral presentation is to provide greater detail than can be contained in the White Paper and to permit the evaluation panel to ask questions to better understand particular aspects of the proposed effort. However, any such request does not assure a subsequent award. Any Offeror whose White Paper technology was not identified as being of "particular value" to ONR is ineligible to make an oral presentation or to submit a Full Proposal under this BAA. The requested oral presentations will coincide with the annual ONR EW Science & Technology (S&T) Review, currently scheduled for 18-20 March 2014. The time, location, and briefing format of the oral presentations, if requested, will be provided at a later date via email notification.

ONR evaluations of the oral presentations will be issued via email notification on or about Friday, 28 March 2014.

Full Proposal: A Full Proposal will be subsequently encouraged from those Offerors whose proposed technologies have been identified through the aforementioned email as still being of "particular value" to ONR. Any Offeror whose oral presentation was not identified as being of "particular value" to ONR is ineligible to submit a Full Proposal under this BAA.

The due date for receipt of Full Proposals is 3:00 PM Eastern Daylight Time (EDT) on Tuesday, 06 May 2014. ONR will select the efforts to be funded for FY15 start-up based upon the evaluation criteria. It is anticipated that final selections will be made within four (4) weeks after Full Proposal submission. As soon as the final Full Proposal evaluation process is completed, PI's will be notified via email of their project's selection or non-selection for FY15 funding. Full Proposals received after the published due date and time will not be considered for funding in FY15 under this

BAA. Full Proposals exceeding the page limit may not be evaluated.

B. Content and Format of White Papers/Full Proposals -

White Papers and Full Proposals submitted under the BAA are expected to be unclassified ; however, classified responses are permitted. If a classified proposal is submitted, the resultant contract will be unclassified. .

Unclassified White Paper and Proposal Instructions:

Unclassified White Papers and Full Proposals shall be submitted in accordance with Section IV.A entitled “Application and Submission Process”.

Classified White Paper and Proposal Instructions:

Classified White Papers and Full Proposals shall be submitted directly to the attention of ONR's Document Control Unit at the following address:

OUTSIDE ENVELOPE (no classification marking):

Office of Naval Research
Document Control Unit
ONR Code 43
875 North Randolph Street
Arlington, VA 22203-1995

The inner wrapper of the classified White Paper or Full Proposal should be addressed to the attention of Dr. Peter Craig (peter.craig@navy.mil), ONR Code 312 and marked in the following manner:

INNER ENVELOPE (stamped with the overall classification of the material)
Program: Electronic Warfare Technology
Office of Naval Research
Attn: Dr. Peter Craig
ONR Code: 312
875 North Randolph Street
Arlington, VA 22203-1995

White Paper and Full Proposal submissions will be protected from unauthorized disclosure in accordance with FAR Subpart 15.207, applicable law, and DoD/DoN regulations. Offerors are expected to appropriately mark each page of their submission that contains proprietary information.

STATEMENT OF WORK (SOW)

An 'unclassified' SOW must accompany any classified Full Proposal.

For both classified and unclassified Full Proposals, a non-proprietary version of the SOW must also be submitted.

IMPORTANT NOTE: Titles given to the White Papers/Full Proposals should be descriptive of the work they cover and not be merely a copy of the title of this solicitation.

a. WHITE PAPERS

White Paper Format

- Paper Size - 8.5 x 11 inch paper
- Margins - 1 inch
- Spacing - single spaced
- Font - Times New Roman, 12 point
- Max. Number of Pages permitted: 6 pages (excluding cover page, resumes, bibliographies, table of contents, and Attachment 2)
- Copies - One (1) electronic copy in Adobe PDF or Microsoft Word 2007 compatible file formats uploaded to the secure (encrypted) FTP site (as discussed under the White Paper submission guidance in Section IV.A of this BAA).

NOTE:

1. Do not send hardcopies of White Papers (including Facsimiles) as only electronic submissions will be accepted and reviewed;
2. Do not upload password protected files.

Offerors will receive on-screen notification/verification of successful file uploads. It is recommended that Offerors initiate a “print screen” capture of the successful submission for their records. Additionally, the FTP Site Administrator will maintain an event log of all activity, including successful/failed file uploads with a date and time stamp.

White Paper Content

- Cover Page: The Cover Page shall be labeled "WHITE PAPER", and shall include the BAA number, proposed title, Offeror's administrative and technical points of contact, with telephone numbers, facsimile numbers, and Internet addresses, and shall be signed by an authorized officer.
- White Paper Technical Content: A description of the technology innovation and technical risk areas.
 1. Project Manager and/or Principal Investigator;
 2. Relevance of the proposed effort to the EW research areas cited in

- Section F and the specific sub-section(s) being addressed;
3. The technical objective of the proposed effort;
 4. The technical approach that will be pursued to meet the objective;
 5. The anticipated deliverables at the successful completion of the effort;
 6. A summary of recent technical breakthroughs that will reduce risk;
and
 7. A clear and complete description of how the proposed approach compares to the current state of the art.

- Other Requirements:

- **Operational Military Concept:** The concept of operation for the new capabilities to be delivered, and the expected operational performance improvements.
- **Operational Utility Assessment:** A plan for demonstrating and evaluating the operational effectiveness of the Offeror's proposed products or processes in field experiments and/or tests in a simulated environment.
- **Programmatic Section:** A project schedule, a summary of planned milestones and a funding plan showing requested funding per government fiscal year, as well as the total funding request.

The following sections must also be included but will not be counted against the 6-page limitation:

- **Leveraged efforts (Area 1 only):** A listing of leveraged ONR- and Government-funded efforts, using the template provided (Attachment 2).
- **Resumes:** A single page (each) summary resume (including previous relevant experience and pertinent publications) for Project Manager and/or Principal Investigator.

b. FULL PROPOSALS

i. INSTRUCTIONS FOR CONTRACTS, COOPERATIVE AGREEMENTS AND OTHER TRANSACTION AGREEMENTS (Does not include Grants)

NOTE: Submission instructions for BAAs issued after FY 2010 have changed significantly from previous requirements. Potential Offerors are advised to carefully read and follow the instructions below. The new format and requirements have been developed to streamline and ease both the submission and the review of proposals.

Proposal Package: The following four documents with attachments comprise a

complete proposal package:

- (1) Technical Proposal Template (Adobe pdf)
- (2) Technical Content (MS Word)
- (3) Cost Proposal Spreadsheet (MS Excel)
- (4) Adequacy Checklist for Pre Award Audit (SF 1408) (as applicable)

These documents can be found at: <http://www.onr.navy.mil/Contracts-Grants/submit-proposal/contracts-proposal/cost-proposal.aspx>. All have instructions imbedded into them that will assist in completing the documents. Also, both the Technical Proposal Template and the Cost Proposal Spreadsheet require completion of cost-related information. Please note that attachments can be incorporated into the Technical Proposal Template for submission.

For proposals below the simplified acquisition threshold (less than or equal to \$150k), the Technical Proposal Template and Technical Content documents, and Cost Proposal Spreadsheet are required. In addition, if a purchase order will be awarded, the effort will be fixed price. Purchase orders can also contain options, if authorized under the BAA, as long as the total amount of the base and all options does not exceed \$150k.

Intellectual Property: Offerors responding to this BAA must submit a separate list of all technical data or computer software that will be furnished to the Government with other than unlimited rights. The Government will assume unlimited rights if Offerors fail to identify any intellectual property restrictions in their proposals. Include in this section all proprietary claims to results, prototypes, and/or deliverables. If no restrictions are intended, then the Offeror should state "NONE."

The format requirements for any attachments are as follows:

- Paper Size- 8.5 x 11 inch paper
- Margins – 1 inch
- Spacing- single or double spaced
- Font- Times New Roman, 12 point

For proposed subcontracts or inter-organizational transfers over \$150,000, Offerors must provide a separate fully completed Cost Proposal Spreadsheet in support of the proposed costs. This spreadsheet, along with supporting documentation, must be provided either in a sealed envelope with the prime's proposal or via email directly to both the Program Officer and the Business Point of Contact at the same time the prime proposal is submitted. The email should identify the proposal title, the prime Offeror and that the attached proposal is a subcontract, and should include a description of the effort to be performed by the subcontractor.

Offerors should submit one (1) electronic copy of their proposal package on CD-ROM. The electronic copy should be submitted in a secure, pdf-compatible format, except for the electronic file for the Cost Proposal Spreadsheet which should be submitted in a

Microsoft Excel 2007 compatible format. All attachments should be submitted in a secure, pdf-compatible format.

The secure pdf-compatible format is intended to prevent unauthorized editing of the proposal prior to any award. A password should not be required for opening the proposal document, but the Government must have the ability to print and copy text, images, and other content. Offerors may also submit their Technical Proposal Template and Content in an electronic file that allows for revision (preferably in Microsoft Word) to facilitate the communication of potential revisions. Should an Offeror amend its proposal, the amended proposal should be submitted following the same guidance applicable to the original proposal.

Any proposed options that are identified in the Technical Proposal Template or Technical Content documents, but are not fully priced out in the Cost Proposal Spreadsheet, will not be included in any resulting contract, cooperative agreement, or other transaction. If proposing options, they must be separately priced and separate spreadsheets should be provided for the base period and each option. In addition to providing summary by period of performance (base and any options), the Contractor is also responsible for providing a breakdown of cost for each task identified in the Statement of Work. The sum of all costs by task worksheets MUST equal the total cost summary.

The electronic submission of the Excel spreadsheet should be in a "useable condition" to aid the Government with its evaluation. The term "useable condition" indicates that the spreadsheet should visibly include and separately identify within each appropriate cell any and all inputs, formulas, calculations, etc. The Offeror should not provide "value only spreadsheets" similar to a hard copy.

Fixed Fees on ONR Contracts: The Government Objective is set in accordance with the DFARS 215.404-71. See the below table for range and normal values:

Contract Risk Factor	Contract Type	Assigned Value (Normal range)	Normal Value
Technical (1)		3% - 7% (2)	5%
Management/Cost Control (1)		3% - 7% (2)	5%
Contract Type Risk	Firm Fixed Price	2% - 6% (3)	3% - 5% (4)
Contract Type Risk	Cost Plus Fixed Fee	0% - 1% (2)	0.5%

1. Assign a weight (percentage) to each element according to its input to the total performance risk. The total of the two weights equal 100 percent.
2. Assign a weighting score relative to the Risk Factor.
3. Depends on the specific Contract Type (With/without financing, performance-based payments, and/or progress payments).
4. Depends on the specific Contract Type.

Technology Incentive (TI) is rarely utilized at ONR, because the contracts issued by ONR typically are not eligible for TI (See DFARS 215.404-71-2(c)(2)). Any consideration of TI requires strong and convincing justification in the proposal, which are then subject to negotiation and determination of a fair and reasonable fee, within the context of the specific award. Typically the range of fee is 5% to 7.5% on an ONR awarded contract.

For submission instructions, see sub-section F. Submission of White Papers and Full Proposals for Contracts.

ii. INSTRUCTIONS FOR GRANTS

The following information must be completed as follows in the SF 424 located on www.grants.gov to ensure that the application is directed to the correct individual for review: **Block 4a**, Federal Identifier: Enter the previous ONR award number, or N00014 if the application is not a renewal or expansion of an existing award; **Block 4b**, Agency Routing Number: Enter the three (3) digit Program Office Code and the Program Officer's name, last name first, in brackets (i.e., [Shifler, David]). Applicants who fail to provide a Program Officer code identifier 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. (You will not be able to type in the box, therefore, save the file you want to attach as Project Summary or Abstract).

Block 8 is the Project Narrative -> click on Add attachment and attach the technical proposal.

(Save the file as Volume I- Technical Proposal since you will not be able to type in the box).

Full Proposal Format - Volume 1 - Technical Proposal and Volume 2 - Cost Proposal

- Paper Size - 8.5 x 11 inch paper
- Margins - 1 inch
- Spacing - single-spaced
- Font - Times New Roman, 12 point
- Number of Pages - Volume (Vol. 1) is limited to no more than 20 pages. Limitations within sections of the proposal, if any, are indicated in the individual descriptions shown below. The cover page, table of contents, resumes and current and pending project and proposal submissions information

are excluded from the page limitations. Full Proposals exceeding the page limit may not be evaluated. There are no page limitations to Volume 2.

- Copies - the full proposal should be submitted electronically at <http://www.grants.gov> as delineated in paragraph 5 below.

Volume 1: Technical Proposal

- Cover Page: This should include the words "Technical Proposal" and the following:
 1. BAA number XX-XXX;
 2. Title of Proposal;
 3. Identity of prime Offeror and complete list of subawards, if applicable;
 4. Technical contact (name, address, phone/fax, electronic mail address)
 5. Administrative/business contact (name, address, phone/fax, electronic mail address) and;
 6. Proposed period of performance (Awards will be made without options);
 7. Signature of Authorized Representative.
- 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. Limit the number of pages for this section to 10.
 - Operational Naval Concept: A description of the project objectives, the concept of operation for the new capabilities to be delivered, and the expected operational performance improvements.
 - Operational Utility Assessment Plan: A plan for demonstrating and evaluating the operational effectiveness of the Offeror's proposed products or processes in field experiments and/or tests in a simulated environment.
- Project Schedule and Milestones: A summary of the schedule of events and milestones. Limit the number of pages for this section to 2.
- Reports:

The following are sample reports that are typically required under a research effort:

-Technical and Financial Progress Reports

- Presentation Materials
- Final Report

Grants do not include the delivery of software, prototypes, and other hardware deliverables. Limit the number of pages for this section to 1.

- Management Approach: A discussion of the overall approach to the management of this effort, including brief discussions of the total organization; use of personnel; project/function/subcontractor/subrecipient relationships; government research interfaces; and planning, scheduling and control practice. Identify which personnel and subcontractors/subrecipients (if any) will be involved. Include a description of the facilities that are required for the proposed effort with a description of any Government Furnished Equipment/Hardware/Software/Information required, by version and/or configuration. Limit the number of pages for this section to 2.
- Current and Pending Project and Proposal Submissions: Offerors are required to provide information on all current and pending support for ongoing projects and proposals, including subsequent funding in the case of continuing contracts, grants, and other assistance agreements. Offerors shall provide the following information of any related proposal submissions from whatever sources (e.g., ONR, Federal, State, local or foreign government agencies, public or private foundations, industrial or other commercial organizations).

The information must be provided for all proposals already submitted or submitted concurrently to other possible sponsors, including ONR. Concurrent submission of a proposal to other organizations will not prejudice its review by ONR:

- 1) Title of Proposal and Summary;
- 2) Source and amount of funding (annual direct costs; provide contract and/or grant numbers for current contracts/grants);
- 3) Percentage effort devoted to each project;
- 4) Identity of prime Offeror and complete list of subawards, if applicable;
- 5) Technical contact (name, address, phone/fax, electronic mail address)
- 6) Administrative/business contact (name, address, phone/fax, electronic mail address);
- 7) Duration of effort (differentiate basic effort);
- 8) The proposed project and all other projects or activities requiring a portion of time of the Principal Investigator and other senior personnel must be included, even if they receive no salary support from the project(s);
- 9) The total award amount for the entire award period covered (including indirect costs) must be shown as well as the number of person-months or labor hours per year to be devoted to the project, regardless of source of support; and
- 10) State how projects are related to the proposed effort and indicate degree of overlap.

Limit the number of pages for this section to 2.

- Qualifications: A discussion of the qualifications of the proposed Principal Investigator and any other key personnel. Include resumes for the Principal Investigator and other key personnel and full curricula vitae for Principal Investigators and consultants. The resumes and curricula vitae shall be attached to the proposal and will not count toward the page limitations. Limit the number of pages for this section to 2.

VOLUME 2: Cost Proposal

The Offeror 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 BAA on the 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. Assume that performance will start no earlier than 8 months after the date the cost proposal is submitted. 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 significantly greater than normal and routine levels of support. Budgets proposing direct charging of administrative or clerical salaries must be supported with a budget justification which adequately describes the major project and the administrative and/or clerical work to be performed.

- Fringe Benefits and Indirect Costs - (i.e., F&A, Overhead, G&A, etc) - The proposal should show the rates and calculation 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.
- Travel -The proposed travel cost should 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 must be justified based on the organizations 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. Offerors may include travel costs for the Principal Investigator to attend the peer reviews described in Section II of this BAA.

- 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. ONR's preferred method of receiving subcontract information is for this information to be included with 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 email directly to the Program Officer at the same time the prime proposal is submitted. The email should identify the proposal title, the prime Offeror and that the attached proposal is a subcontract. See bullet below regarding fee/profit guidance for subawards/subcontracts.
- 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 prices, and the basis for the estimate (e.g., quotes, prior purchases, catalog price lists).
- Recipient 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 the estimate (e.g., quotes, prior purchases, catalog price lists). Allowable items normally are 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 they 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).

NOTE: If the grant proposal is for a conference, workshop or symposium:

1. *ONR will not sponsor ONR, Navy, or DoD driven event. Provide a list of other sponsors and the requested amounts to be funded by all sponsors.*
 2. *The funds provided by ONR may be used to pay for food or beverages as a direct cost only in exceptional circumstances. The funds will not be used for food or beverages unless*
 - a. *the grant proposal contains a request for such funding that is fully supported factually in accordance with the cost principles of the relevant OMB Circular, and*
 - b. *the grants officer determines that the funding is a reasonable, allocable, allowable expense under the relevant cost principles.*
- Fee/Profit - Fee/profit is unallowable under assistance agreements at either the prime or subaward level but may be permitted on any subcontracts issued by the prime awardee.

Part 2 - Cost breakdown by Government fiscal year and task/sub-task corresponding to the same task breakdown in the proposed Statement of Work.

C. Significant Dates and Times -

Event	Date	Time
Pre-Proposal Conference / Industry Day	1/10/2014	10:00 AM Eastern Standard Time
White Paper Due Date	2/4/2014	3:00 PM Eastern Standard Time
Notification of White Paper Evaluation*	2/21/2014	
Oral Presentations*	3/19/2014	
Notification of Oral Presentation Evaluation*	3/28/2014	
Full Proposal Due Date	5/6/2014	3:00 PM Eastern Daylight Time
Notification of Selection: Full Proposals*	6/3/2014	
Awards*	1/2/2015	

**These dates are estimates as of the date of this announcement.*

NOTE: Due to changes in security procedures since September 11, 2001, the time required for hard-copy written materials to be received at the Office of Naval Research has increased. Materials submitted through the U.S. Postal Service, for example, may take seven days or more to be received, even when sent by Express Mail. Thus any hard-copy proposal should be submitted long enough before the deadline established in the solicitation so that it will not be received late and thus be ineligible for award consideration.

D. Submission of Late Proposals -

Any proposal, modification, or revision that is received at the designated Government office after the exact time specified for receipt of proposals is "late" and will not be considered unless it is received before award is made, the contracting officer determines that accepting the late proposal would not unduly delay the acquisition and:

- a. If it was transmitted through an electronic commerce method authorized by the announcement, it was received at the initial point of entry to the Government infrastructure not later than 5:00 P.M. one working day prior to the date specified for receipt of proposals; or
- b. There is acceptable evidence to establish that it was received at the Government installation designated for receipt of proposals and was under the Government's control prior to the time set for receipt of proposals; or
- c. It was the only proposal received.

However, a late modification of an otherwise timely and successful proposal that makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

Acceptable evidence to establish the time or receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the Government office designated for receipt of proposals by the exact time specified in the announcement, and urgent Government requirements preclude amendment of the announcement closing date, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the announcement on the first work day on which normal Government processes resume.

The contracting officer must promptly notify any Offeror if its proposal, modifications, or revision was received late and must inform the Offeror whether its proposal will be considered.

E. Submission of Grant Proposals through Grants.gov

Detailed instructions entitled "Grants.Gov Electronic Application and Submission Information" on how to submit a Grant proposal through Grants.gov are under the Submit Proposals section of the website at <http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-gov.aspx>

White Papers should not be submitted through the Grants.gov Apply process, but rather should be sent directly to ONR. White Papers should be emailed directly to the TPOC. White Paper format requirements are found in Section IV, item 2a above.

By completing Block 17, the Grant Applicant is providing the certification on lobbying required by 32 CFR Part 28. Refer to Section VII, "Other Information" entitled "Certification Regarding Restrictions on Lobbying" for further information.

For electronic submission of grant full proposals, there are several one-time actions that must be completed in order to submit an application through Grants.gov. These include obtaining a Dun and Bradstreet Data Universal Numbering System (DUNS) number, registering with the System for Award Management (SAM), registering with the credential provider, and registering with Grants.gov. See www.grants.gov, specifically www.grants.gov/GetStarted.

Use the Grants.gov Organization Registration Checklist at http://www.grants.gov/applicants/register_your_organization.jsp which will provide guidance through the process. Designating an E-Business Point of Contact (EBiz POC) and obtaining a special password called 'MPIN' are important steps in the SAM registration process. Applicants who are not registered with SAM.gov and Grants.gov should allow at least 21 days to complete these requirements. The process should be started as soon as possible. Any questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 (1-606-545-5035 for foreign applicants) or support@grants.gov.

Special Notices Relative to Grant Applications to be submitted through Grants.Gov:

All attachments to grant applications submitted through [Grants.Gov](http://www.grants.gov) must be in Adobe Portable Document Format (i.e., .PDF files). Proposals with attachments submitted in word processing, spreadsheet, or any format other than Adobe Portable Document Format will not be considered for award.

Applicants who have registered with Grants.gov are urged to submit their proposals electronically *at least* three days before the date and time that proposals are due so that they will not be received late and be ineligible for award consideration.

Proposal Receipt Notices:

After a full proposal is submitted through Grants.gov, the Authorized Organization Representative (AOR) will receive a series of three emails. It is extremely important that the AOR watch for and save each of the emails. You will know that your proposal has reached ONR when the AOR receives email Number 3. You will need the Submission Receipt Number (email Number 1) to track a submission. The three emails are:

Number 1 - The applicant will receive a confirmation page upon completing the submission to Grants.gov. This confirmation page is a record of the time and date stamp that is used to determine whether the proposal was submitted.

Number 2 - The applicant will receive an email indicating that the proposal has been validated by Grants.gov within two days of submission (this means that all of the required fields have been completed). After an institution submits an application, Grants.gov generates a submission receipt via email and also sets the application status to "Received." This receipt verifies the Application has been successfully delivered to the Grants.gov system. Next, Grants.gov verifies the submission is valid by ensuring it does not contain viruses, the opportunity is still open, and the applicant login and applicant DUNS number match. If the submission is valid, Grants.gov generates a submission validation receipt via email and sets the application status to "Validated." If the application is not validated, the application status is set to "Rejected." The system sends a rejection email notification to the institution, and the institution must resubmit the application package. Applicants can track the status of their application by logging in to Grants.gov.

Number 3 - The third notice is an acknowledgement of receipt in email form from ONR within ten days from the proposal due date, if applicable. The email is sent to the authorized representative for the institution. The email for proposals notes that the proposal has been received and provides the assigned tracking number.

F. Submission of White Papers and Full Proposals for Contracts.

White papers must be submitted via a secure (encrypted) file transfer protocol (FTP) site. All potential Offerors must register for a user account to the FTP site prior to submitting their white papers by sending an email to ONR_312_EC@navy.mil. The DVD or CD-ROM of the Full Proposal including all supporting documentation should be sent to the Office of Naval Research at the following address:

Primary Contact	Secondary Contact
Office of Naval Research Attn: Dr. Peter Craig, Suite 1112 ONR Department Code: 312 875 North Randolph Street Arlington, VA 22203-1995	Office of Naval Research Attn: Dr. Kevin Rudd, Suite 1125 ONR Department Code: 312 875 North Randolph Street Arlington, VA 22203-1995

V. EVALUATION INFORMATION

A. Evaluation Criteria -

Awards under this BAA will be made to proposers on the basis of the evaluation criteria listed below, and program balance to provide overall value to the Government. The Government reserves the right to request any additional, necessary documentation once it makes the award instrument determination. The Government reserves the right to remove proposers from award consideration should the parties fail to reach agreement on award terms, conditions, and cost/price within a reasonable time, or the proposer fails to timely provide requested additional information. Evaluations will be conducted using the evaluation factors below. The items in subparagraphs under each factor are not subfactors; rather, they provide insight into the areas that evaluators consider when assessing proposals under each factor.

1. Overall scientific and technical merits of the proposal
 - a. Degree of innovation,
 - b. Soundness of technical concept,
 - c. Awareness of the state of the art and understanding of the scope of the problem and the technical effort needed to address it, and
 - d. Successful achievement of goals will significantly reduce technical risk to a subsequent development effort.
2. Military relevance, transition potential and anticipated contributions of the proposed technology to Electronic Warfare operations
 - a. Technology addresses a military critical need,
 - b. Military program or initiative depends on the technology,
 - c. Potential transition effort identified, and
 - d. Part of a Joint service technology effort.
3. Program structure and execution plan
 - a. Level of technical risk appropriate for applied research,
 - b. Clear statements of objectives, applicability to this solicitation, anticipated end state, and deliverables,
 - c. Concise schedule with clearly identified milestones to objectively measure progress, and
 - d. Timing is right (e.g. addresses current or future capability need, leverages recent S&T breakthrough or emerging COTS technology, constructive relationship with other on-going work, etc.).
4. The qualifications, capabilities and experience of the proposed Principal Investigator (PI), team leader and key personnel who are critical in achieving the proposal objectives
 - a. Offeror's experience in relevant efforts with similar resources,
 - b. Ability to manage the proposed effort, and
 - c. Offeror's overall capabilities, facilities, techniques or unique combinations of these which are integral factors for achieving the proposal objectives.
5. Number and quality of leveraged efforts (Area 1 ONLY)
 - a. How many prior/current ONR and Government-funded electronic and photonic technology, technique, component, device and/or subsystem research efforts are leveraged for the proposed EW demonstrator? (NOTE: multiple funded efforts that advance the maturity of the same fundamental technology will be counted as ONE research effort),
 - b. How critical are the prior ONR and Government-funded efforts to enabling the proposed EW capability demonstration? and
 - c. Offerors that utilize partnerships or teaming arrangements between multiple performers (industry, academic, government) to facilitate the incorporation of leveraged technologies will be given favorable consideration.
6. The realism of the proposed costs and availability of funds.

Overall, the technical factors 1 – 4 (or 1 – 5 for Area 1) above are significantly more important than the cost factor, with the technical factors all being of equal value. The degree of importance of cost will increase with the degree of equality of the proposals in relation to the other factors on which selection is to be based, or when the cost is so

significantly high as to diminish the value of the proposal's technical superiority.

The ultimate recommendation for award of proposals is made by ONR's scientific/technical community. Recommended proposals will be forwarded to the ONR contracts department. Any notification received from ONR that indicates that the Offeror's full proposal has been recommended, does not ultimately guarantee an award will be made. This notice indicates that the proposal has been selected in accordance with the evaluation criteria above and has been sent to the contracting department to conduct cost analysis, determine the Offeror's responsibility, and take other relevant steps necessary prior to commencing negotiations with the Offeror.

B. Commitment to Small Business - (For Contract Awards Only)

The Office of Naval Research is strongly committed to providing meaningful subcontracting opportunities for small businesses, small disadvantaged businesses (SDBs), woman-owned small businesses (WOSBs), historically underutilized business zone (HUBZone) small businesses, veteran-owned small business (VOSBs), service disabled veteran-owned small businesses (SDVOSBs), historically black colleges and universities, and minority institutions, and other concerns subject to socioeconomic considerations through its awards.

For businesses unfamiliar with doing business with the government and require assistance may contact the state-specific Department of Defense (DoD) Procurement Technical Assistance Center (PTAC). DoD PTACs serve as a resource for businesses pursuing and performing under contracts with DoD, other federal agencies, state and local governments and with government prime contractors. Assistance provided by the PTACs is usually free of charge. PTAC support includes registration in systems such as SAM, identification of contract opportunities, understanding requirements and preparing and submitting proposals. The PTACs have a presence in each state, Puerto and Guam. To locate a local PTAC visit:

<http://www.dla.mil/SmallBusiness/Pages/ProcurementTechnicalAssistanceCenters.aspx> or <http://www.aptac-us.org/new/> .

a. Subcontracting Plan - For proposed awards to be made as contracts that exceed \$650,000, large businesses and non-profits (including educational institutions) shall provide a Subcontracting Plan (hereafter known as the 'Plan') that contains all elements required by FAR Subpart 19.704, FAR 52.219-9 and as supplemented by DFARS 252.219-7003.

NOTE: Small businesses are exempt from this requirement.

The Plan should be submitted as an attachment to the "Technical Proposal Template" and will not be included in the page count. If a company has a Master Subcontracting Plan, as described in FAR 19.701 or a Comprehensive Subcontracting Plan, as described in DFARS 219.702, a copy of the Plan shall also be submitted as an attachment to the "Technical Proposal Template".

Plans will be reviewed for adequacy, ensuring that the required information, goals, and assurances are included. FAR 19.702 require the apparently successful Offeror to submit an acceptable Plan. If the apparently successful Offeror fails to negotiate a Plan acceptable to the contracting officer within the time limit prescribed by the contracting officer, the Offeror will be ineligible for award.

Offerors shall propose a plan that ensures small businesses (inclusive of SDBs, WOSBs, HUBZone, VOSBs and SDVOSBs, etc...) will have the maximum practicable opportunity to participate in contract performance consistent with its efficient performance.

As a baseline, Offerors shall to the best extent possible propose realistic goals to ensure small business participation in accordance with the current or most recent fiscal year subcontracting goals found on the DoD Office of Small Business Program website at: <http://www.acq.osd.mil/osbp/>. If proposed goals are below the statutory requirements, then the Offeror shall include in the Plan a viable written explanation as to why small businesses are unable to be utilized and what attempts were taken to ensure that small business were given the opportunity to participate in the effort to the maximum extent practicable.

b. Small Business Participation Statement –

If subcontracting opportunities exist, all prime Offerors shall submit a Small Business Participation Statement regardless of size in accordance with DFARS 215.304 when receiving a contract for more than the simplified acquisition threshold (i.e., \$150,000). All Offerors shall provide a statement of the extent of the Offeror's commitment in providing meaningful subcontracting opportunities for small businesses and other concerns subject to socioeconomic considerations through its awards and must agree that small businesses, VOSBs, SDVOSBs, HUBZones, SDBs, and WOSBs concerns will have to the maximum practicable opportunity to participate in contract performance consistent with its efficient performance.

This assertion will be reviewed to ensure that it supports this policy by providing meaningful subcontracting opportunities. The statement should be submitted as a part of the proposal package and will not be included in the page count.

c. Subcontracting Resources -

Subcontracting to a prime contractor can be a good way to participate in the contracting process. The following is a list of potential resources that may assist in locating potential subcontracting partners/opportunities:

- Companies Participating in DoD Subcontracting Program Report
- DAU Small Business Community of Practice (SB COP)
- DefenseLink = \$6.5M Award Notices
- DoD OSBP Prime Contractors and Subcontractors with Subcontracting Plans

- Dynamic Small Business Search
- Electronic Subcontracting Reporting System (eSRS)
- Federal Business Opportunities (FEDBIZOPPS)
- Navy SBIR/STTR Search – Website or Brochure
- DoD Procurement Technical Assistance Centers (PTAC)
- Small Business Administration (SBA) Subcontracting Opportunities Directory
- SBA SUB-Net

For a description and associated websites visit the ONR Office of Small Business webpage at: <http://www.onr.navy.mil/Contracts-Grants/small-business.aspx>.

For example, in accordance with FAR Subpart 5.206, entities may transmit a notice to a Government Point of Entry (GPE) to seek competition for subcontracts and to increase participation by qualified HUBZone small business, small, small disadvantaged business, women-owned small business, veteran-owned small business and service-disabled veteran-owned small business concerns is encouraged, and to meet established subcontracting plan goal as follows:

- (a) A contractor awarded a contract exceeding \$150,000 that is likely to result in the award of any subcontracts;
- (b) A subcontractor or supplier, at any tier, under a contract exceeding \$150,000, that has a subcontracting opportunity exceeding \$15,000.

The notices must describe-

- (a) The business opportunity;
- (b) Any prequalification requirements; and
- (c) Where to obtain technical data needed to respond to the requirement.

An example of a GPE is the SBA SUB-Net which is a place in which prime contractors may post solicitations or sources sought notices for small business. The SUB-Net database provides a listing of subcontracting solicitations and opportunities posted by large prime contractors and other non-federal agencies.

C. Options -

The Government does not intend to utilize options for this effort.

D. Evaluation Panel -

Technical and cost proposals submitted under this BAA will be protected from unauthorized disclosure in accordance with FAR 3.104-4 and 15.207. The cognizant Program Officer and other Government scientific experts will perform the evaluation of technical proposals. Restrictive notices notwithstanding, one or more support contractors may be utilized as subject-matter-expert technical consultants. However, proposal selection and award decisions are solely the responsibility of Government

personnel. Each support contractor's employee having access to technical and cost proposals submitted in response to this BAA will be required to sign a non-disclosure statement prior to receipt of any proposal submissions.

VI. AWARD ADMINISTRATION INFORMATION

- A. North American Industry Classification System (NAICS) code - The NAICS code for this announcement is "541712" with a small business size standard of "500 employees".
- B. System for Award Management (SAM): All Offerors submitting proposals or applications must:
 - a. be registered in the SAM prior to submission;
 - b. 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
 - c. provide its DUNS number in each application or proposal it submits to the agency.

SAM is a FREE WEBSITE that consolidates the capabilities you used to find 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/portal/public/SAM/>

- C. Access to your Grant, Cooperative Agreement, Other Transaction and Contract Award

Effective 01 October 2011, hard copies of award/modification documents are no longer be mailed to Offerors. All ONR award/modification documents will be available via the Department of Defense (DoD) Electronic Document Access System (EDA).

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, complete a self-registration request as a "Vendor" via <http://eda.ogden.disa.mil> following the steps below:

Click "New User Registration" (from the left Menu)
Click "Begin VENDOR User Registration Process"
Click "EDA Registration Form" under Username/Password (enter the appropriate data)
Complete & Submit Registration form

Allow five (5) business days for your registration to be processed. EDA will notify you by email when your account is approved.

Registration questions may be directed to the EDA help desk toll free at 1-866-618-5988, Commercial at 801-605-7095, or via email at cscassig@csd.disa.mil (Subject: EDA Assistance)

VII. OTHER INFORMATION

A. Applies to Grant, Cooperative Agreement and Other Transaction Agreement Applications Only:

i. 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, requires that all agencies establish requirements for recipients reporting information on subawards and executive total compensation as codified in 2 CFR 33.110. 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 BAA must provide information in their proposal that describes the necessary processes and systems in place to comply with the reporting requirements identified in 2 CFR 33.220 and Appendix A. Entities are exempt from this requirement UNLESS in the preceding fiscal year, it received: a) 80 percent or more of its annual gross revenue in Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; b) \$25 million or more in annual gross revenue from Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; and c) the public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 or section 6104 of the Internal Revenue Code of 1986.

ii. Military Recruiting On Campus (DoDGARS Part 22.520)

This applies to domestic U. S. colleges and universities. Appropriate language from 32CFR22.520 Campus access for military recruiting and Reserve Officer Training Corps (ROTC) will be incorporated in all university grant awards.

iii. Certification regarding Restrictions on Lobbying: :

Grant and Cooperative Agreement awards greater than \$100,000, as well as OTAs not under Section 845, require a certification of compliance with a national policy mandate concerning lobbying. Grant applicants shall provide this certification by electronic submission of SF424 (R&R) as a part of the electronic proposal submitted via Grants.gov (complete Block 17). The following certification applies likewise to each cooperating agreement and normal OTA applicant

seeking federal assistance funds exceeding \$100,000:

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.

iv. 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" found at <http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal.aspx> by checking the "I agree" box in block 17 and attaching the representation 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 that it 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.

B. Applies to Contracts Only:

- i. Government Property/Government Furnished Equipment (GFE) and Facilities

Government research facilities and operational military units are available and should be considered as potential government-furnished equipment/facilities. These facilities and resources are of high value and some are in constant demand by multiple programs. It is unlikely that all facilities would be used for any one specific program. The use of these facilities and resources will be negotiated as the program unfolds. Offerors submitting proposals for contracts, cooperative agreements and Other Transaction Agreements should indicate in the Technical Proposal Template, Section II, Blocks 8 and 9, which of these facilities are critical for the project's success. Offerors submitting proposals for grants should address the need for government-furnished facilities in their technical proposal.

- ii. Use of Arms, Ammunition and Explosives:

RESERVED

- iii. System for Award Management (SAM):

FAR 52.204-7 System for Award Management and FAR 52.204-13 System for Award Management Maintenance are incorporated into this BAA, and FAR 52.204-13 will be incorporated in all awards.

- iv. Employment Eligibility Verification:

As per FAR 22.1802, recipients of FAR-based procurement contracts

must enroll as Federal Contractors in E-verify and use E-verify to verify employment eligibility of all employees assigned to the award. All resultant contracts from this solicitation will include FAR 52.222-54, "Employment Eligibility Verification."

v. FAR / DFARS Clauses:

The following are examples of clauses that may be incorporated into an ONR contract:

#	Clause
52.204-7	System for Award Management
52.215-16	Facilities Capital Cost of Money
52.215-22	Limitations on Pass Through Charges - Identification of Subcontract Effort
52.216-1	Type of Contract
52.216-27	Single or Multiple Awards
52.217-4	Evaluation of Options Exercised at time of Contract Award
52.217-5	Evaluation of Options
52.222-24	Preaward On-Site Equal Opportunity Compliance Evaluation (Applies if exceeds \$10M)
25.226-2	Historically Black College or University and Minority Institution Representation
52.230-7	Proposal Disclosure - Cost Accounting Practice Changes
52.232-15	Progress Payments not included
52.233-2	Service of Protest
52.252-1	Solicitation Provisions Incorporated by Reference
52.252-3	Alterations in Solicitation
52.252-5	Authorized Deviations in Provisions
252.203-7005	Representation Relating to Compensation of Former DoD Officials
252.204-7004	Alternate A, System for Award Management
252.215-7003	Requirements for Submission of Data Other than Certified Cost or Pricing Data - Canadian Commercial Corporation

vi. Combating Trafficking in Persons

Appropriate language from FAR Clause 52.222-50 will be incorporated in all awards.

vii. Updates of Information regarding Responsibility Matters

FAR clause 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matter, will be included in all contracts valued at \$500,000 where the contractor has current active Federal contracts and grants with total value greater than \$10,000,000.

C. Applies to all:

i. 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. Normally, work done under a grant does not require access to classified material. 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. The Offeror must clearly identify such need by completing Section II, Block 11, DD 254 – Security Classification Specification, of the Technical Proposal Template.

ONR does not provide access to classified material under grants.

ii. Use of Animals and Human Subjects in Research

RESERVED

iii. Recombinant DNA

RESERVED

iv. Department of Defense High Performance Computing Program

The DoD High Performance Computing Program (HPCMP) furnishes the DoD S&T and RDT&E communities with use-access to very powerful high performance computing systems. Awardees of ONR contracts, grants, and assistance instruments may be eligible to use HPCMP assets in support of their funded activities if ONR Program Officer approval is obtained and if security/screening requirements are favorably completed. Additional information and an application may be found at <http://www.hpcmo.hpc.mil/>.

v. Organizational Conflicts of Interest

All Offerors and proposed subcontractors must affirm whether they are providing scientific, engineering, and technical assistance (SETA) or similar support to any ONR technical office(s) through an active

contract or subcontract. All affirmations must state which office(s) the Offeror 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 Offeror 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. Additional ONR OCI guidance can be found at <http://www.onr.navy.mil/About-ONR/compliance-protections/Organizational-Conflicts-Interest.aspx>. If a prospective Offeror believes that any conflict of interest exists or may exist (whether organizational or otherwise), the Offeror should promptly raise the issue with ONR by sending his/her contact information and a summary of the potential conflict by email 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 Government after full consideration of the circumstances, any conflict situation cannot be effectively avoided, the proposal may be rejected without technical evaluation and withdrawn from further consideration for award under this BAA.

vi. Project Meetings and Reviews

Individual program reviews between the ONR 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. For costing purposes, Offerors should assume that 40% of these meetings will be at or near ONR, Arlington VA and 60% at other contractor or government facilities. Interim meetings are likely, but these will be accomplished via video telephone conferences, telephone conferences, or via web-based collaboration tools.

vii. Executive Compensation and First-Tier Subcontract Reporting (APPLIES ONLY TO CONTRACTS)

The FAR clause 52.204-10, "Reporting Executive Compensation and First-Tier Subcontract Awards," will be used in all procurement contracts valued at \$25,000 or more. A similar award term will be used in all grants and cooperative agreements.

D. Other Guidance, Instructions, and Information

Intellectual Property

Offerors responding to this BAA must submit a separate list of all technical data or computer software that will be furnished to the Government with other than unlimited rights. The Government will assume unlimited rights if Offerors fail to identify any intellectual property restrictions in their proposals. Include in this section all proprietary claims to results, prototypes, and/or deliverables. If no restrictions are intended, then the Offeror should state "NONE".