

Amendment Number 0003

Broad Agency Announcement 11-006

"Electronics Warfare Technology"

The purpose of Amendment Number 0001 is to provide answers to questions received under BAA 11-006 entitled "Electronics Warfare Technology" and provide additional information as follows:

Q#1: I am in the process of preparing a white paper in response to BAA 11-006, but needed clarification on what is meant by the following: "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. "

Does the requested Operational Utility Assessment Plan correspond to work that is to be conducted in the proposed research to establish the efficacy of the proposed technology concepts? Or does the plan correspond to a future path for evaluating the technology in a more realistic environment? I appreciate any clarification that you can provide.

A#1: The purpose of the Operational Utility Assessment Plan is to identify a path for evaluating the technology in a more realistic environment under a future development program that will bridge the gap between the deliverables of the proposed effort and the future delivery of capability to the fleet.

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Q#2: In my initial review of Broad Agency Announcement 11-006 "Electronic Warfare Technology", it was not clear as to whether foreign entities or organizations are eligible to apply for this funding opportunity. I did notice that in the "Eligibility Information" section, on page 9, it is stated that:

"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 § 120.1 et seq."

Does this preclude foreign organizations from applying for funding under certain topics? If so, which ones? Which ones would foreign organizations be eligible to apply for?

A#2: Foreign organizations are precluded from applying for funding.

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Q#3: I noted in the subject BAA that FFRDCs are not eligible to submit white papers except under certain circumstances. Is there any prohibition on University Affiliated Research Centers?

A#3: University Affiliated Research Centers (UARC) are eligible to submit white papers under this BAA unless precluded from doing so by their Department of Defense UARC contracts.

Q#4: I am interested in submitting a white paper for this announcement 11-006 Electronic Warfare Technology. The question I have is can we submit a white paper by the deadline and then register for the grants.gov business registration process in February or do we have to be registered with the grants.gov website? The reason I ask is because we are in the process of incorporating a business which takes time.

A#4: Yes, you can submit a white paper by the deadline and then register for the grants.gov. However, the grants.gov website states that the registration process can take from between five (5) business days and up to four (4) weeks.

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Q#5: Do we need to submit a detailed budget request in the white paper, or can they be a summary format with a follow-up and the specifics filed later in the full proposal?

A#5: BAA 11-006 Section IV entitled, "Application and Submission Information, paragraph 2 entitled, "Content and Format of White Papers/Full Proposals" states "Funding plan showing requested funding per fiscal year, as well as the total funding request".

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Q#6: Do you have any idea on how many proposals you anticipate on funding?

A#6: BAA Section II entitled "Award Information" states "ONR plans to issued multiple awards that represent the best value to the Government in accordance with the evaluation criteria stated in Section V entitled, "Evaluation Information".

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Q#7: Also are the oral presentations over the phone or are they in person?

A#7: BAA 11-006 Section IV entitled, "Application and Submission Information, paragraph number 1 entitled, "Application and Submission Process, Oral Presentations" states the requested oral presentations will coincide with the annual ONR EW S&T review, currently scheduled for 15-17 March 2011. The time, location and briefing format of the oral presentations, if requested, will be provided at a later date via email notification.

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Q#8: For the mmW transmitter, is ONR interested in pulsed sources, or CW? Also, are there special transmitter waveforms the offerer needs to be aware of?

A#8: All RF (including mmW) power levels quoted in the BAA are for a CW response. I cannot specify the waveforms that would be utilized by the transmitters, but please note the language in Section 6B2 that states:

"The EA techniques that are of primary interest are those that preserve complex waveform characteristics (such as coherence and phase coding). These EA techniques are not the saturated high power methods associated with older traditional EA. Signal power, frequency, phase, polarization, modulation, and coding must be reproduced and controlled precisely to effectively deceive modern RF systems. This requires approaches which emphasize power linearity and signal fidelity, and can be controlled dynamically and adaptively to mimic the information content of modern RF signals."

While these words were used to describe techniques development in general under the BAA, you should also assume that any transmitter development would need to be capable of transmitting techniques and waveforms with this level of sophistication.

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In addition to answering questions amendment 01 provides the following correction is made to BAA 11-006:

1. Section 6, entitled, "Research Opportunity Description" sub-section B entitled, "Wideband EA – Components/Techniques" paragraph 1., line 4 which currently reads "... shifters, True Time Delay (TTD) driver amplifiers, isolators, circulators, multiplexers, and..." should read instead "... shifters, True Time Delay (TTD), driver amplifiers, isolators, circulators, multiplexers, and...". In other words, a comma was inadvertently omitted between "True Time Delay (TTD)" and "driver amplifiers".

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2. The following paragraph shall be incorporated into Section VII entitled, "Other Information" Subsection 1 entitled "Government Property/Government Furnished Equipment (GFE) and Facilities":

Offerors are expected to provide all facilities (equipment and/or real property) necessary for the performance of the proposed effort. Any direct charge of facilities, not including deliverable items, must be specifically identified in the Offeror's proposal and approved by the Government prior to purchase. In addition, any request to use Government owned facilities must be included in the Offeror's proposal and approved in advance by the cognizant Government official. (Note: proposals that are contingent upon ONR providing government furnished equipment, instrumentation, test facilities, or threat hardware and information for exploitation, without prior approval by the Government, are NOT acceptable.)

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3. The following paragraph shall be incorporated into Section VII entitled, "Other Information" Subsection 2 entitled "Security Classification":

If awardees use unclassified data in their deliveries and demonstrations regarding a potentially classified project, they should use methods and conventions consistent with those used in classified environments. Such conventions will permit the various subsystems and the final system to be more adaptable in accommodating classified data in the transition system.

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4. The following paragraph shall be incorporated into Section VII entitled, "Other Information" Subsection 7 entitled "Project Meetings and Reviews":

At a minimum, the Offeror should plan to present a progress briefing annually (during each government fiscal year that the project receives funding) at the ONR Electronic Warfare (EW) Science and Technology (S&T) Review held each spring in the Arlington, VA area.