

**Amendment No. 0002  
Question and Answers**

**Broad Agency Announcement (BAA) Number 10-003**

**Joint Counter Radio Controlled Improvised Explosive Device Electronic Warfare 3.3  
Technologies**

The purpose of Amendment 0002 is to provide answers to questions.

**Question 1:** Is it possible to brief you on our technology capability which is ready for production and meets a number of the JCREW needs called out in the BAA?

**Answer 1:** It is not possible for you to brief your technology capability to the Government prior to notification of selections that is currently scheduled in February 2010. It should be noted that Broad Agency Announcements are issued for research purposes only and cannot be used for production.

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**Question 2:** Would the Navy prefer single chip, scalable solutions that cover parts of the desired spectrum with a path toward extending the spectrum on the same chip, or to break the desired frequency band into sub-bands and propose a chip/module for each that are frequency multiplexed?

**Answer 2:** The Navy would be interested in both approaches with a description of the advantages and disadvantages of each.

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**Question 3:** What are the relative power levels of maximum expected out-of-band TX signals (co-located with RX) to the minimum expected levels of in-band signals (e.g., 100dB or more)?

**Answer 3:** 100dB is an appropriate value.

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**Question 4:** How close is the co-located TX frequency band from the RX (as that will determine the filtering requirement and interference cancellation solutions)?

**Answer 4:** The Navy is interested in technology solutions that advance the state of the art in filtering and interference cancellation, as well as technology solutions that support potential Simultaneous Tx And Rx (STAR) at a common frequency.

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**Question 5:** I could submit several white papers. Would you prefer that I down-select myself, and only submit a single white paper, or would you prefer that I submit them all?

**Answer 5:** We recommend that you submit any white papers that you believe will have a chance of impacting the future of Counter-RCIED operations. The number of white paper submission is the responsibility of the offeror.

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**Question 6:** The funding appears to be targeted at 6.2/6.3 efforts. Would an effort that is borderline 6.1/6.2 be considered, or does it need to be mainly 6.2?

**Answer 6:** JCREW S&T will be funded with 6.2 and 6.3 technology development. Technology solutions should have realistic potential for transition to JCREW systems in a 5-7 year timeframe.

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**Question 7:** Given the limited maximum budget per proposal and limited timeline, should each proposal (e.g., for area B. Receivers/Transmitters) provide solutions for the entire system and focus on a specific part (e.g., RX) for demonstration or should the proposal provide solution and demonstrate the entire proposed system (RX and TX)?

**Answer 7:** The Navy is anticipating component, subsystem, and system level technology proposals. Proposals should focus on the areas in which the offeror feels will offer improvement to C-RCIED operations, which may include RF components, subsystem, receivers, transmitters, or combinations of both.

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**Question 8:** Is the Navy interested in utilizing genetic algorithms in antenna design?

**Answer 8:** The Navy is interested in any 6.2/6.3 level technology development that can potentially improve the performance of JCREW antennas. This includes genetic algorithms if categorized under the 6.2 or 6.3 level technology development. This BAA will not be providing 6.1 level funding.