

Amendment Number 0003

Broad Agency Announcement 11-017

“Joint Counter Radio Controlled Improved Explosive Device Electronic Warfare (JCREW) 3.3 Technologies”

The purpose of Amendment Number 0003 is to provide answers to questions received under BAA 11-017, entitled “Joint Counter Radio Controlled Improved Explosive Device Electronic Warfare (JCREW) 3.3 Technologies,” and provide additional information as follows.

Q#1: Would a solution using small UAVs, e.g. WASP-III, to enlarge the coverage area and improve the detection geometry to assist in the direction finding be considered?

A#1: UAV solutions are not being pursued under JCREW 3.3 S&T.

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Q#2: In the Section B.2, Transmitter, are channelized approaches with multiple frequency bands acceptable under this BAA?

A#2: Yes, channelized approaches are acceptable.

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Q#3: Is the mid-LF requirement for transmit, receive or both?

A#3: We’d like to see both, but will consider either.

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Q#4: Do you want our white papers in the exact format as listed, or is there flexibility in changing the order of items discussed (including the sub-parts in the technical concept section)? We are curious if there is flexibility in how the content is presented in the white paper document or if you would prefer everything standardized given the likely volume of white papers you and you team will receive.

A#4: We prefer you follow the format stated in the BAA due to the volume of white papers anticipated and the short period of time to conduct the review.

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Q#5: LF is generally accepted as 30-300 kHz and EHF 30-300 GHz. By mid-LF and mid-EHF, do you mean 165 kHz and 165 GHz, respectively?

A#5: The references are not intended as hard stop values. We use ‘mid-LF and mid-EHF’ to establish some context for the range of solutions we are considering.

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Q#6: How much (in dB) we need to allocate in the budget for space loss between JCREW antenna and the radio antenna?

A#6: Because of the vast range of frequencies being considered we are unable to define a dB value and suggest spacing considerations from 0 (shared aperture) to 2m.

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Q#7: Is ONR interested in the isolation solution provided as a standalone module and is there a preferred SWaP?

A#7: Any isolation technique will require consideration for future integration into the JCREW 3.3 system and not act as a standalone system.

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Q#8: What is the anticipated CONOP for isolation to protect the radio from jammers on the same platform or on other platforms?

A#8: Isolation from both same platform jamming and jamming from other platforms are needed, but techniques for each independently will be considered.

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Q#9: Are you amenable to a brief telephone conversation?

A#9: We are unable to participate in BAA related telecons while the BAA is open. Any questions that you have regarding the BAA should be submitted in writing.

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Q#10: We would like you to provide feedback on our proposal concepts so that we can focus our proposals to best meet JCREW 3.3 S&T needs.

A#10: We are unable to provide recommendations, suggestions or feedback regarding BAA concepts while the BAA is open in order to prevent the perception of 'unfair advantage'.

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Q#11: We would like to use our company's sharepoint site to post proposals for ONR. Is this a good option?

A#11: This is not a good option.

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Q#12: By LF and EHF, do you mean the lower range between 30 and 300 kHz and the upper range between 30 and 300 GHz?

A#12: Yes, we are considering technology solutions that reside anywhere between the lower range (mid-LF) to the higher range (mid-EHF). Additionally, we are not expecting single proposals to provide technology solutions to address that entire spectrum (mid-LF to mid-EHF), only the portion of the spectrum within that lower and upper range within which the concepts are increasing the state of the art.

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Q#13: Would it be possible to amend the conditions of white paper submission to allow for password protected files?

A:#13: As stated on page 13 of the BAA "Do not send password protected files."