

Amendment Number 0001

Broad Agency Announcement 13-015

“Multi-Domain, Optical, Non-Uniform Adaptive Imaging Technology Oriented Research (MONITOR)”

The purpose of Amendment Number 0001 is to provide answers to questions received under BAA 12-005, entitled “Multi-Domain, Optical, Non-Uniform Adaptive Imaging Technology Oriented Research (MONITOR)”, and provide additional information as follows.

Q#1: On page 14 the following statement appears: “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.” Is the intent that some system be demonstrated in field or lab test within the proposed 1 to 2 years effort?

A#1: The intent is for a lab demonstration of a non-adaptive system by the end of the program.

Q#2: Regarding the zero-latency requirement, will a delay in the order of less than 1 millisecond acceptable?

A#2: The requirement of "zero latency" suggests that different modalities are NOT sequentially acquired. Of course any measurement (even a single modality) involves some latency due to FPA readout. As long as the latency is small and constant (independent of number of modalities) the system design will meet BAA requirements.

Q#3: Will there be a need to acquire data for all modality for one particular sub-region at the same time?

A#3: There will be no need to acquire data for all modality for one particular sub-region at the same time.

Q#4: Does this research also require to develop the capability to identify the potential sub-region of interest? Or that can be assumed to be a separated effort?

A#4: The research effort is not required to develop the capability to identify the potential sub-region of interest. It is assumed to be a separate effort.

Q#5: The subject BAA states: "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." As far as the Navy is concerned, can we as a small business subcontract a portion of the work to a FFRDC (a DoE lab) -- and they have agreed to participate as a sub to us?

A#5: 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.

Q#6: We are planning on integrating essentially a series of (proven) optical sub-systems into a singular system with hardware tunability (enables spectral, polarimetric, and spatial resolution selection). Is this the *general* type of concept that you are looking for in this solicitation, or are we way off base?

A#6: Yes, this is the general type of concept that the government is looking for in this solicitation.

Q#7: Related to obtaining a specific field of view: is there a particular preference on how the system is scaled to obtain the field of view? In other words, is it preferential that a specified field of view be obtained with a *single* objective lens (i.e., to enable easier coupling or mating to existing telescopes or objectives), or can it be obtained using a tiled array of lenses?

A#7: There is no particular preference on how the system is scaled to obtain the field of view. The goal is to obtain desired performance for minimum volume/weight, cost, etc.
