Amendment 0002
Solicitation Number: ONRBAA11-019
"**"Department of Defense Explosive Ordnance Disposal (EOD) (previously referred to as Joint Service EOD)"**

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

1. Questions and Answers are provided as follows:

Question 1: I would like to clarify the response date on this BAA. FBO lists Jul 6th as the required response date. Is this the response date for white papers or proposals? If we submit a whitepaper before Jul 6th, can the government then come back and ask for a full proposal after Jul 6th?

Answer 1: White Papers are due by 3:00 pm on May 5th. After review of all White Papers by the government, parties who have been judged to be of "particular value" to the Navy will be identified and contacted by ONR and encouraged to submit full proposals by 3:00 pm on July 6th. Full proposals submitted after July 6, 2011 will not be considered. *(see Section IV, paragraph 1 on pg. 10, and Section I, paragraph 5 on pg. 2)*

****

Question 2: I have a partner in Naval Research Lab can he serve as a co-PI or he can only provide consultation and evaluation as a senior personnel level since he is from ONR?

Answer 2: Navy laboratories (such as NRL) and warfare centers as well as other Department of Defense and civilian agency laboratories are 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.. "*(see Section III on pg. 8)*

****

Question 3: From my understanding the white paper does not have budget portion, but to plan in the future, it should have around $2,250,000 total each proposal up to 4 years, right?

Answer 3: The amount and period of performance of each selected proposal may vary depending on the research area and the technical approach to be pursued by the selected offeror. The period of performance of the awards typically ranges from twenty-four (24) months up to forty-eight (48) months (between 2 and 4 years). ONR anticipates a budget of approximately $11,000,000 for the EOD Applied Research program under this BAA. *(see Section II on pg. 8)*

****

Question 4: Please respond with phone number for Mr. Almquist so we can get in touch with him regarding our technical questions.

Answer 4: Mr. Brian Almquist is listed as the Science and Technology Point of Contact within the BAA, wherein his contact information can be found. *(see Section I, paragraph 7 on pg. 5)*

****

Question 5: What form is the data in and what processing has been done to the raw image pair prior to transmission?

Answer 5: This is up to the offeror and is one of the focuses of the topic. Development of the compression techniques/algorithms to support transmission and/or display of the data in real time over a 1.5Mbps link *(see Section I, paragraph 6, sub-paragraph 4, bullet A on pg. 4)*

****

Question 6: If the images are meant for a 'stereo vision' system where a human will wear stereo glasses to see the depth then a certain compression technique can be used, if the data is actual depth data or imagery going to build a 3D model for situational awareness and virtual environments then that might need slightly different treatment. Please describe.

Answer 6: The data is not necessarily from stereo, it could be from stereo, LADAR, or any other singular or combinations of sensors. It's up to the offeror which sensor or sensors they wish to implement. The intention for the "display" of the data will is the form of a 3D environment for enhanced tele-presence or 3rd person real-time operation. *(see Section I, paragraph 6, sub-paragraph 4, bullet A on pg. 4)*

****

Question 7: What type of computer, or computing resource do you have on the data collection side to perform the compression?

Answer 7: No specific hardware has been identified, and it will likely be on the offeror to recommend the hardware needed to run the platform. *(see Section I, paragraph 6 on pg. 2)*

****

Question 8: Do you already have someone in mind to do this work or do you consider this open?

Answer 8: Open. *(see Section III on pg. 8)*

****

Question 9: Is lossy compression suitable for this if large performance gains are realized or do want lossless compression only?

Answer 9: Would be nice to have this adjustable, such that you could tune the system based on your current environment and operation (i.e. navigation, manipulation). But if it is not adjustable lossy

compression is as long as updates in real-time are seen. *(see Section I, paragraph 6, sub-paragraph 4, bullet A on pg. 4)*

<div align="center">***************</div>