

**Broad Agency Announcement N00014-16-S-BA06
Amendment 0002**



Future Integrated Training Environment (FITE) Date: 13 Jun 2016

The purpose of Amendment 0002 is to 1) amend the BAA with responses to questions submitted prior to 13 Jun 2016, and 2) to extend the white paper due date to 4:00 PM (Eastern Standard) **Wednesday, 15 Jun 2016**. To allow for consideration of the questions and answers below, any white papers submitted prior to this amendment may also be resubmitted by the extended deadline.

Question 1: Would you consider (constructive) simulation based studies related to assessing the requirements of FITE infrastructure e.g. possible architectures, bottlenecks, throughput, scalability as within the scope of Synthetic Battlespace Service (SBS) objective?

Answer 1: Constructive simulation is not the end goal for the FITE program. The purpose of FITE is to connect both ground and aviation simulation systems for training in a way that makes each interoperable with the other as outlined in the BAA.

Question 2: The Background paragraph of the BAA refers to COTS simulation systems and simulators that the Marine Corps wishes to retain. Would ONR please identify the simulation systems and simulators that are expected to participate in the SBS and/or SES? Are any of the COTS simulation systems or simulators incapable of communicating via DOD standard simulation protocols (DIS and HLA) or operational message protocols (VMF, USMTF, OTH Gold, etc.)?

Answer 2: As identified in the BAA specific training areas include: Marine Corps Tactical Air Control Party, Fires Support Teams, Joint Terminal Attack Controller (JTAC), Forward Air Controller (FAC), or Joint Fires Observers training with Aviation (e.g. ADVTE). Examples of such simulation systems may include, but is not limited to the following: Augmented Immersive Team Trainer, Supporting Arms Virtual Trainer (SAVT), Deployable Virtual Training Environment (DVTE), Aviation Distributed Virtual Training Environment (ADVTE). All COTS simulation systems must be capable of communicating via DOD standard simulation protocols (DIS and HLA), but not necessarily operational message protocols (VMF, USMTF, OTH Gold, etc.). Both the SBS and SES should have the ability to work in a stand-alone ad-hoc network or a connected cloud environment. Initial focus will be on a stand-alone ad-hoc network.

Question 3: Request clarification of timeframe for "transition" as used in Section F. Would transition be anticipated for FY2021 or FY2022?

Answer 3: Anticipated transition in FY2021.

Question 4: Is there a comprehensive list of legacy, current and future Marine Corps training information technology systems and their technical specifications that are required for both the SBS and SES to have the ability to work in a stand-alone ad hoc or a connected cloud environment?

Answer 4: See **Answer 2**.

Question 5: Should Information Assurance (IA) concerns and costs be factored into this proposal, particularly for the legacy COTS systems that were not designed to interoperate with others?

Answer 5: No.

Question 6: Is there a requirement for any legacy COTS systems that are currently stand-alone only to be connected to a cloud environment?

Answer 6: See **Answer 2** regarding initial focus on stand-alone ad-hoc network. In addition, the scope and direction of each proposal is at the discretion of each individual vendor based on the guidance provided in the BAA topic call.

Question 7: Currently F/A-18 Hornets and F-35 JSF training devices are not connected to ADVTE is there a plan or future requirement for them to be hooked up to be part of the FITE effort?

Answer 7: As long as it addresses the areas identified in the topic call the platforms / systems proposed is at the discretion of each individual vendor.

Question 8: What is the security classification of FITE? Is it SECRET and below or will there be some kind of Top Secret enclave to support TOP SECRET classified tactics or gear?

Answer 8: FITE will operate strictly on a SECRET and below classification level.

Question 9: Is it the intent of the government in the scope of this effort to entertain solutions to replace the current synthetic environment engines - or is the interest in developing the standards and middleware to support collaborative, networked nodes that use the current simulation engines - thus requiring new systems to conform to standards developed during this effort? (Or, stated simply, are you interested in seeing cool new synthetic environment engines and capabilities?)

Answer 9: The purpose of FITE is to connect both existing ground and aviation simulation systems for training in a way that makes each interoperable with the other as outlined in the BAA.

Question 10: Is it the intent of the government to integrate actual hardware, such as radios, LTD's and rangefinders?

Answer 10: Any proposed integration of systems is at discretion of each individual vendor, but they must identify how it is responsive to the topic BAA. Example training areas are listed in **Answer 2**.

