Broad Agency Announcement (BAA) Number 11-021
Advanced Tactical Data Link (ATDL)

Amendment 0002
Questions and Answers

The purpose of this amendment is to answer questions received by potential offerors.

Question 1: Is the modeling only required for MAC/Physical layers or is the intent to also use other tools along with EMANE, e.g. the NRL Mobile Network Emulation and Simulation Tools which include CORE?

> From: http://cs.itd.nrl.navy.mil/products/
> Mobile Network Emulators
> - Extendable Mobile Ad-Hoc Network Emulator (EMANE)
> - Common Open Research Emulator (CORE)
> - Mobile Network Emulator (MNE)
> - Mobile Ad-Hoc Network Emulator (MANE)
> Mobile Network Modeling (MNM) Tools
> PROTEAN Tools including:
> - MNE Control Scripts
> - Random Motion Generator (RMG) for NS2 and MNE
> - Java support in NS2 (AgentJ)

Answer 1: Tools other than EMANE may be used but are not required.

Question 2: In Section 4.3 of the BAA, it states that the first year's modeling in the EMANE will be used to determine which combinations of technologies will best meet the Navy's needs. Is it desirable that we propose performing tradeoffs of multiple networking approaches, waveforms, and antenna pointing solutions, or are you looking to start this time period with a more focused approach?

Answer 2: The approach will depend on the industry response to the ATDL EC.

Question 3: Does EMANE currently include models of (a) CEC and/or (b) NIFC-CA?

Answer 3(a): No; however, EMANE includes a generic radio model that can be used as a basis to emulate Cooperative Engagement Capability (CEC). Performers should build upon as many EMANE generic models/facilities as possible.

Answer 3(b): Navy Integrated Fire Control – Counter Air (NIFCA-CA) is a scenario. Multiple scenarios will be used in EMANE to evaluate the candidate technologies.

Question 4: Will the "detailed Concept of Operations (CONOPS) and technical/performance/cost metrics" that were discussed at Industry Day be made available to the bidders?

Answer 4: Not at this time.

Question 5: In support of the ADTL BAA we are looking for the requirements slide which is part of the Advanced Tactical Data Link (ATDL) Assessment Brief for the Joint Requirements Oversight Council (JROC) provided in July 2008. It may also be contained in the Advanced Tactical Data Link (ATDL) Update Brief for the Joint Staff led Functional Capabilities Board (FCB) provided in May 2009. Can you provide either of these briefs to us in support of the BAA?

Answer 5: ONR does not control distribution of JROC or other agency documents which are FOUO. There are no firm requirements to ATDL.

Question 6: Section 4.2 of the BAA states that "the ATDL should provide a secure technical architecture for multiple networked physical media, classification domains, and security enclaves." This capability appears to be already implemented by the SRP, wherein the ATDL functionality represents a single classification domain. Is there an MLS requirement on ATDL that isn't already allocated entirely upon the SRP?

Answer 6: The requirements for the ATDL EC will be further refined with the platform sponsors during the period of the EC.

Question 7: At the Pre- Proposal Conference/Industry Day on 20 May 2011, there was discussion/information regarding the Technical Approach Proposal page count being limited to 15 pages for contractors. Page 17 of the BAA indicates, "Limit the number of pages for this section to twenty (20)." Please confirm that the BAA Technical Approach Proposal page count is limited to twenty (20) pages.

Answer 7: The BAA Technical Approach Proposal page count is limited to twenty (20) pages.

Question 8: Are slide decks available from industry day?

Answer 8: Slide decks from industry day will not be provided.

Question 9: The Notional program schedule (page 7) and the anticipated period of performance (page 11) seem to provide conflicting information. The former gives a five year program; the latter, a three year. Are FY15 and FY16 considered outside the scope of this BAA effort?

Answer 9: Yes. FY15 and FY16 are outside the scope of this BAA.

Question 10: Will interoperability with existing platforms be a consideration?

Answer 10: The ATDL is the only new physical layer so there are no interoperability issues. The additional networking layer being developed under the ATDL EC will need to be interoperable with existing platforms.