

**Amendment No. 0006 to BAA #07-021
entitled
“Globally Networked Maritime Headquarters with Maritime Operations Center”**

The purpose of Amendment 0006 is to answer and comment on general programmatic technical information regarding BAA# 07-021 as follows:

1. **Question:** Does ONR envision the ACA Layer as being middleware in which all user interaction (requests from the R3V Layer) with the data sources (D3 Layer) goes through the ACA?

Answer: As the BAA mentions, the ACA provides the middleware processing necessary to convert and decompose multiple user data queries into service oriented utility application tasks for the D3L layer.

2. **Question:** The ACA Layer in the notional MHQw/MOC Functional Structure Diagram contains a function to interface with inter-nodal agents. What is the intent behind the inter-nodal agents function in context of this diagram?

Answer: The Distributed Data Layer does not reside in a single location. Within an SOA environment, these layers may be at different locations, operate under different mission applications, and data may reside in older systems. The concept of the Inter-nodal agents is a means of insuring that the developed system is not designed as a single centralized processing center.

3. **Question:** The first key function listed under Thrust 3: ACA Layer contains the phrase “query-to-task decomposing services”. Does this phrase refer to the capability of the ACA to receive a user request and decompose it so that queries can be sent to the D3 Layer or does this phrase refer to the capability of the ACA to decompose a broad level strategy into operational tasks?

Answer: Both. Initially the capability should insure those users requests are decomposed in the sense that if there are requirements from multiple users, the requested data common to each user is treated efficiently, not serially. If data requested between two users is basically the same but with some additional processing, that data should be collected once, and the interim processing handled within the ACA. As the system evolves, broader level strategies needs to be built into the system to handle these requests: e.g. multiple mission requirements, or multiple level fusion requirements.

4. **Question:** The sixth key function listed under Thrust 3: ACA Layer contains the phrase “adopting revised candidate services as needed”. Was this phrase meant to serve as a placeholder in the ACA architecture for future expansion?

Answer: Within an SOA environment, candidate services may require changes depending on mission goals, different parts of the world, and internal changes and upgrades to user tools. The ACA needs to be able to handle these dynamic needs as they arise.

General Comment: The comments above are based on an overall notional view, and should be viewed in terms of needs to satisfy user requirements to operate within an SOA environment. The Globally Netted MHQ w MOC Functional Structure is notional. Offerors are encouraged to propose alternate approaches which reflect innovative views of the necessary relationships between the thrusts to meet the overall objectives of the G-N MHQ w MOC program.