

Amendment Number 0001

Broad Agency Announcement 10-006

“Navigation and Timekeeping Technology”

The purpose of Amendment Number 0001 is to provide answers to questions received under BAA 10-006 entitled “Navigation and Timekeeping Technology” as follows:

Q#1: Is the interference mentioned in the BAA temporary blockages and multipath interference or intentional signal jamming. The answer will drive sensor quality and potential partners for the proposal.

A#1: The interference mentioned in the BAA is intentional signal jamming.

Q#2: Is there a target vessel size and worst case sea state? Will the vessel be unmanned and autonomous?

A#2:

- The target vessel size is not restricted.
 - The sea state is not restricted.
 - The vessel is not unmanned nor autonomous.
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Q#3: Are there any accuracy requirements that may be articulated at this point. For example, is the timing accuracy of microseconds required to support spread spectrum communications or milliseconds for event time stamping? Is there a desired Time Figure of Merit (TFOM) as would be reported by a standard military Global Positioning System (GPS) such as Precision Lightweight GPS Receiver (PLGR) or Defense Advanced GPS Receiver (DAGR)?

A#3:

- The timing accuracy shall be adequate enough for one's applications.
 - This BAA does not require a specific TFOM.
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Q#4: Is positional accuracy in the meters sufficient, or is centimeter accuracy required.

A#4: The range of the positional accuracy is in the meters.

Q5: Must a military GPS be used in any solution, or may a commercial GPS be used.

A#5: One needs to use a military GPS when one addresses specific military user equipment issues; otherwise a commercial GPS could be used.
