

Amendment 0002  
ONR BAA Announcement Number 13-018

Spectral and Reconnaissance Imagery for Tactical Exploitation (SPRITE)

The purpose of this amendment is to respond to questions.

Questions and Responses are provided as follows:

**Question 1:** Should the white paper submissions be uploaded to the ISR site or emailed to Mr. Kruger and Ms. Rubeiz?

**Response 1:** All white papers shall be uploaded to the ISR Upload Site (<https://onroutside.onr.navy.mil/aspprocessor/isr30a/>). Each white paper should state the particular task that it is addressing.

**Question 2:** Can a whitepaper submitted in response to BAA 13-018 address one or more sub-elements of a task without addressing the entire task, or is ONR only seeking whitepapers that address an entire task, as defined in the BAA?

**Response 2:** While white papers need to address tasks, performers are free to team with other performers in order to offer task level solutions.

**Question 3:** In reading through the BAA solicitation, there are apparent inconsistencies with relationship to the white paper request. One is the submittal date (in one place it states 7/18/2013 and in another 8/12/2013). There are a number of inconsistent goals and apparent threshold "requirements" in the request. So, one confusion is the 200 - 240 sec orbit statement conflicts with the coverage rate minimum of  $4\text{km}^2/\text{min}$ . The other is the spectral coverage for the HSI and the mentioned targets against the words "high confidence identification". Those statements are inconsistent based on real data gathered.

**Response 3:** Amendment 0001 clarifies the date inconsistencies.

The spectral area collection rate described is consistent with collection of a 4 km diameter area ( $12.6\text{km}^2$ ) within 200 seconds. This area rate of  $3.77\text{km}^2/\text{minute}$  was rounded to  $4\text{km}^2/\text{min}$  for insertion into the text of the BAA.

Identification of materials to enable actionable intelligence does not imply unique autonomous identification of a material without reference to the other sensor modalities requested in this BAA. It is expected that a fused collection/analysis capability between the WAAS, wide-area SWIR, inspection-RGB, and inspection SWIR may be necessary to achieve the desired confidence level. It is expected that white papers will discuss one of the segments of this chain, discuss the chain itself, or discuss the entire multi-sensor system. Each of these white papers would be expected to provide a proposed concept of operations between data collection and automated processing to enable a proposed level of confidence. The goal is a system-level capability to enable warfighters with the information needed to act.

**Question 4:** Do we have to address all requirements listed in Task 3 or can we propose a subsystem that only addresses a portion of the requirements (e.g. real-time track-generation software).

**Response 4:** While white papers need to address tasks, performers are free to team with other performers in order to offer task level solutions.

**Question 5:** The SPRITE mission is based on a SWIR spectral sensor combined with a wide area airborne sensor (WAAS) capability. Is the spectral sensor the primary mission sensor, with the WAAS in support of that spectral mission, or are they equal in their functional importance in accomplishing the SPRITE mission COPNOPS?

**Response 5:** The goal is to deliver a multi modality capable sensor suite to enable a fused collection/analysis capability. Offerors wishing to propose alternate implementations should present a capability based value argument in their white paper.

**Question 6:** Will be allowed to introduce a SAR sensor for detection as long as it will fulfill the overall requirement of SWAP. Furthermore this announcement has been published on the MilitaryAerospace website, however on that website the latest date for submitting the white paper was set at 18th of July. In the latest revision of your documentation it is the 12th of August. Can you please confirm that the latter date is the one we should take as latest submission date?

**Response 6:** White papers may argue for specific technical approaches not explicitly described in the BAA provided they represent a different means to the same end goal, keeping air vehicle risk factors at a similar level. Amendment 0001 provided a correction to the dates.

**Question 7:** 1) Is there value in solving part of a task (e.g., proposing only a novel spectral sensor for Task 1) or should each task be addressed in its entirety only? 2) Are there preferences

or requirements for the type of spectral sensor (e.g., pushbroom vs. 2D staring)? 3) To address Task 3, knowledge of the sensors developed under Task 1 may be necessary. Will this information (or representative information) be shared? Alternatively, can proposals for Task 3 make assumptions about sensor behavior/characteristics based on their own experience or available sensors?

**Response 7:**

- 1) While white papers need to address tasks, performers are free to team with other performers in order to offer task level solutions.
- 2) The BAA suggested both a Wide area SWIR and Inspection SWIR sensor. Some of the other answers may provide more insight to your question.
- 3) Sensor information will be shared once the program begins to enable development of the processing algorithms.

**Question 8:** Regarding the white paper, page 20 of the amended solicitation (amendment 0001) states the technical content page limit is 10 pages. Does the 10 page limit include the "Operational Naval Concept", "ROM", and "Operational Utility Assessment Plan" sections?

**Response 8:** Yes, however this is a white paper, hence these are not extensive sections.