

**BAA Call N0001425SBC06**  
**Special Program Announcement for Office of Naval Research**  
**Research Opportunity:**  
**Ship-based Long-endurance Airborne Platforms & EW Payloads**

**I. INTRODUCTION**

This announcement describes a technology area, Electronic Warfare, under the N0001425SB001, Long Range Broad Agency Announcement for Navy and Marine Corps Science and Technology which can be found at <https://www.onr.navy.mil/work-with-us/funding-opportunities/fy25-long-range-broad-agency-announcement-baa-navy-and-marine>. The submission of proposals, their evaluation and the placement of research contracts and/or agreements will be carried out as described in the above Long Range Broad Agency Announcement.

The purpose of this announcement is to ensure the US Navy has knowledge of the latest advancements in EW payloads and long-endurance airborne platforms.

**II. TOPIC DESCRIPTION**

ONR is interested in discovering what technologies industry currently has that can provide a quick-reaction, affordable ship-based long-endurance airborne decoy with modular EW mission compatible payloads. The decoy will be part of a multi-layered approach to enhance the soft-kill capability of the U.S. Navy against current and evolving anti-ship missile (ASM) threats.

**Background:**

U.S. Navy ships are subject to attack by high speed, maneuvering missiles with the potential to be delivered in salvos sized to overwhelm defenses. Existing defenses include hard-kill as well as on-board and off-board electronic warfare (EW) systems; all three combined are needed to be most effective against current and emerging threats.

**Objective:**

This announcement seeks to conduct a market survey for high technology readiness level (TRL) solutions (TRL5+) for both airborne vehicles and RF EW payloads that can provide a quick reaction capability to the Navy for a long endurance decoy with modular, advanced EW payloads to counter modern ASM threats. Decoy technologies are being sought that can provide:

- Rapid deployment and transition to stable flight
- Ability to be recoverable (optionally expendable)
- Extended flight endurance with hovering capability of at least an hour on station.
- Details on altitudes and ranges from launch site to station are classified and will be discussed during industry day.
- Secure electronic data communication between the decoy and the ship

- Autonomous flight operation with the ability to receive command and control information from the ship
- Ability to carry modular EW payloads
- EW payloads with sufficient equivalent isotropic radiated power (EIRP) for the desired mission set(s) and frequencies. Further classified details will be discussed at industry day.
- Ability to reposition, realign and stabilize multi-spectral apertures to maintain focus on the threats
- Effective antenna RF isolation for the EW mission set(s).
- Ability to function in operationally relevant environments (e.g., high sea states and temperatures)
- Integration of RF and other electromechanical payloads
- Advanced, automated command and control concepts
- Affordability

The Government is especially interested in understanding the trade space between cost and capability. Responses to this announcement should address the cost of proposed solutions and how those costs scale with meeting the full set of requirements outlined during the classified industry day versus a subset of those requirements. For instance, what capability is possible at the \$1M, \$500k, \$100k price points?

Significant co-dependency is anticipated between the decoy vehicle and payload to meet mission requirements. To address issues such as RF isolation as well as power and cooling needs, we expect there to be tradeoffs between potential vehicle and payload options. Collaboration between industry partners is encouraged, and ONR will be providing a list of past investments during the classified industry day. However, this list is not to be considered exhaustive, and the purpose of this BAA Call is to explore relevant technology from any potential offeror.

Vehicle- or payload-only responses will be accepted, but submissions should address how the proposed offerings could be tailored to meet requirements (e.g., isolation) that depend on either the missing payload or vehicle subsystems respectively.

### **Industry Day:**

ONR will conduct a classified industry day on Monday, June 23, 2025 at 1300EDT at the Naval Research Laboratory, 4555 Overlook Ave. S.W., Washington, DC 20375. This meeting will provide insight into current threats and previous investments in applicable areas. This event is intended to provide for any necessary question and answers to add further clarification toward what is being desired under this announcement. There is no registration fee for participation, however advanced reservation is required. Portions of the meeting will be held at both the SECRET and TS/SCI level. Attendees with only a SECRET clearance are still encouraged to attend the SECRET level session.

### **ADVANCED REGISTRATION IS REQUIRED**

Registration will close on *June 19, 2025 at 1700EDT*  
Walk-in registration will not be accepted.

Please use the URL below to register

<https://forms.osi.apps.mil/r/k42CZ79a9p>

### III. WHITE PAPER SUBMISSION

Although not required, white papers are strongly encouraged for all vendors. Each white paper will be evaluated by the Government to determine whether the technology advancement proposed appears to be of particular value to the Department of the Navy. Initial Government evaluations and feedback may be issued via e-mail notification from the Technical Point of Contact. The initial white paper appraisal is intended to give entities a sense of whether their concepts are likely to be funded (Note: currently funding is limited and the results of the Market input through White Papers will determine if any funding is made available).

Detailed Full Proposal (Technical and Cost volumes) will subsequently be encouraged from those vendors whose proposed technologies have been identified through the above referenced e-mail as being of “particular value” to the Government. However, any such encouragement does not assure a subsequent award. Full Proposals may also be submitted by any offeror whose white paper was not identified as being of particular value to the Government or any offeror who did not submit a white paper, at any time with the Office of Naval Research’s Open and Continuous BAA.

For white papers that propose efforts that are considered of particular value to the Navy but either exceed available budgets(if any) or contain certain tasks or applications that are not desired by the Navy, ONR may suggest a full proposal with reduced effort to fit within expected available budgets or an effort that refocuses the tasks or application of the technology to maximize the benefit to the Navy.

White papers should not exceed 5 single-sided pages, exclusive of cover page, references, and resume of principal investigator, and should be in 12-point Times New Roman font with margins not less than one inch. White papers shall be in Adobe PDF format (preferred) or in Microsoft Word format.

The Cover Page can be found at <https://www.nre.navy.mil/work-with-us/how-to-apply/submit-contract-proposal> for contract submissions and at <https://www.nre.navy.mil/work-with-us/how-to-apply/submit-grant-application> for grant submissions.

The 5-page body of the white paper should include the following information:

- Specific technical details on what portion of requirements the proposed offer satisfies, current limitations/risks of the proposed solution, and a discussion of what additional work would be needed to test the system in an operationally relevant environment.

- Current TRL of the technology and how long it would take to deliver 1, 5, 10 and 50 additional prototypes to the Navy.
- Rough Order Magnitude Cost of the proposed capability (single units and at quantity). Discussion of the trade space between cost and capability for the proposed technology (e.g., what capability is possible at \$1M, \$0.5M, \$0.1M, etc.?)

White papers must be submitted through ONR Submission Portal at <https://submissions.nre.navy.mil/> in accordance with Section F, Submission Requirements and Deadline, Section 4. White Paper Submissions in N0001425SB001.

To ensure full, timely consideration for funding, white papers should be submitted **no later than July 18, 2025**. White papers received after that date will be considered as time and availability of funding permit.

The planned date for completing the review of white papers is **August 25, 2025**.

## V. FULL PROPOSAL SUBMISSION AND AWARD INFORMATION

Detailed Full Proposal (Technical and Cost volumes) will be subsequently be encouraged from those vendors whose proposed technologies have been identified through the above referenced e-mail as being of “particular value” to the Government. However, any such encouragement does not assure a subsequent award. Full Proposals may also be submitted by any offeror whose white paper was not identified as being of particular value to the Government or any offeror who did not submit a white paper, at any time with the office of Naval Research’s Open and Continuous BAA.

Full proposals should be submitted under N0001425SB001. Full proposals submitted after the due date listed in N0001425SB001 should be submitted under N0001426SB001 and will be considered as time and availability of funding permit.

Full proposals for contracts should be submitted in accordance with Appendix 2 of N0001425SB001.

ONR funds will depend entirely on the capabilities presented by industry through the white paper, including no funding for any presented alternative.

Although ONR expects the above described program plan to be executed, ONR reserves the right to make changes.

## VI. SIGNIFICANT DATES AND TIMES

Event	Date	Time
Industry Day Registration Due	6/19/2025	5 pm EDT
Industry Day	6/23/2025	1 pm EDT
White Paper Submission Date	7/18/2025	5 pm EDT
White Paper responses	8/25/2025*	

Proposal and Due Dates	TBD	
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Note: \* These are approximate dates.

## VII. Small Business Subcontracting

As indicated in ONR Broad Agency Announcements large businesses and non-profit organizations must submit a subcontracting plan along with their research proposal. While large businesses and non-profits are responsible for making these subcontracting arrangements, ONR will help facilitate prime contractor/small business contracting connections by posting to the ONR external website contact information of small businesses that have indicated their subcontracting interests and technological niche for prime contractor consideration for this program. This is not an endorsement, but an effort by ONR to help bring these parties together to provide superior solutions.

If you are a small business, and your company is interested in subcontracting activities with large businesses and/or non-profits considering your technology for this program, please provide the following information by email, to the ONR Small Business Director at [andrew.h.chappell.civ@us.navy.mil](mailto:andrew.h.chappell.civ@us.navy.mil) with the subject line "N0001425SBC06". Provide this information:

- 1) Company Name and Website
- 2) Individual (POC) name and POC email address
- 3) Business Size and socio-economic category
- 4) Brief Technology Description (no more than 3 sentences)
- 5) Technology Key Words (no more than 10 words)

Note: Do not include ANY proprietary information. This information will be posted on the ONR website under this BAA call and will available to the public.

## VIII. POINTS OF CONTACT

In addition to the points of contact listed in N001425SB0001 the specific points of contact for this announcement are listed below:

Technical Points of Contact:

Name: Dr. Kevin Leonard

Title: Program Officer, ONR Code 31

Address: One Liberty Center, 875 North Randolph St., Suite 1115, Arlington, VA 22203-1995

Email: [usn.pentagon.cnr-arlington-va.mbx.EW-Call@us.navy.mil](mailto:usn.pentagon.cnr-arlington-va.mbx.EW-Call@us.navy.mil)

Business Point of Contact/Contracting Officer:

Name: Stephen Hughes

Title: Contracting Officer

Email: [stephen.t.hughes.civ@us.navy.mil](mailto:stephen.t.hughes.civ@us.navy.mil)

## VIII. SUBMISSION OF QUESTIONS

Any questions regarding this announcement must be provided to the Technical Points of Contact and/or the Business Point of Contact listed above. All questions shall be submitted in writing by electronic mail.

Answers to questions submitted in response to this BAA Call will be addressed in the form of an Amendment and will be posted to the following web pages:

- Beta.sam.gov Webpage –Contract Opportunities – <https://beta.sam.gov/>
- ONR BAAs, FOAs and Special Program Announcements Webpage -<https://www.nre.navy.mil/work-with-us/funding-opportunities/announcements>

Questions regarding **White Papers or Full Proposals** should be submitted NLT two weeks before the dates recommended for receipt of White Papers and/or Full Proposals. Questions after this date may not be answered.