

REQUEST FOR INFORMATION (RFI)

ONR RFI Announcement # 12-RFI-0005

Title: Office of Naval Research, Air Warfare and Naval Weapons Applications Division (Code 352) Future Naval Capability Survey of Industry Science and Technology Investments

I. DISCLAIMER:

a. This announcement constitutes a Request for Information (RFI) for the purpose of determining market capability of sources or obtaining information. It does not constitute a Request for Proposals (RFP), a Request for Quote (RFQ) or an indication that the Government will contract for any of the items and/or services discussed in this notice. Any formal solicitation that may subsequently be issued will be announced separately through Federal Business Opportunities (FedBizOpps). Information on the specific topics of interest is provided in the following sections of this announcement. Neither ONR nor any other part of the federal government will be responsible for any cost incurred by responders in furnishing this information.

II. BACKGROUND:

a. The ONR Future Naval Capability (FNC) Program was conceived in 1999 to address the perception that ONR had too few programs with sufficient funding to reach technical maturity for transition to acquisition. The FNC program was designed to focus S&T critical mass on highest priority capabilities of the Naval Forces, and ensure focused transition to acquisition. The FNC program is composed of Enabling Capabilities (ECs) which develop and deliver quantifiable Products (e.g., prototype systems, knowledge products, and technology improvements) in response to validated requirements for insertion into acquisition programs of record.

b. Responses to this notice will be used for market research by ONR to determine industry capabilities and thus help validate the Government's requirements for future solicitations. Information from this research could be used to establish promising areas of technology development and investment under the ONR Future Naval Capability (FNC) program.

c. Based on the information received, the Government may issue a Broad Agency Announcement (BAA) to select certain technologies for development and testing at various facilities.

III. SPECIFIC INFORMATION OF INTEREST:

a. It is anticipated that the papers received will reflect the best available technology assessments from those companies, universities and other research entities that are particularly knowledgeable in the fields of military aircraft, air warfare, and weapons. Consolidated technology assessments from groups of performers are not anticipated. The

Navy will analyze the information papers received and reach its own independent conclusions regarding the several ECs that might be included in later year solicitations.

b. At the point of EC initiation (FY15 or FY16) the following conditions should exist:

- Science & Technology (S&T) investment (Technology Readiness Level (TRL) at start of 3 to 4 reaching TRL 6 at completion)
- Three to five years for products to mature
- Be transitionable to a Navy or Marine Corps acquisition program

c. The papers received regarding industry capabilities should fall within the scope of responsibility of ONR 352, which includes:

- Fixed and rotary wing air vehicle structure, subsystems, flight control
- Rotorcraft aeromechanics
- Vertical / short takeoff and land systems
- Ship / Aircraft interface
- Unmanned Air Vehicles (UAV) (not including sensors or communications)
- UAV autonomous operations, mission planning, dynamic replanning, command and control, and multi-vehicle coordinated operations
- Air vehicle propulsion
- Directed energy weapons
- Air, subsurface and surface launched weapons and airborne precision targeting systems

d. ONR Code 352 will host an Industry Day in conjunction with this RFI. Information will be available through the <https://secure.onr.navy.mil/events/regdetail.asp?cid=863> portal. The intent is to present information at a classified level about Naval S&T Capability Gaps which ONR Code 35 has specific interest in. This information will be available only at the Industry Day, and no other provisions for transmittal of this information will be made. Respondents should closely monitor the ONR Events website for information about the date, time, location and security instructions, as this information may be updated at any time with no other notification.

IV. SUBMISSION INSTRUCTIONS and FORMATTING REQUIREMENTS

a. Responses are requested by **15 July 2012** for possible FY15 New Start ECs and by **15 July 2013** for possible FY16 New Start ECs. Any response received after these dates will also be considered but may not be included in initial reporting or assessments.

b. All responses should be submitted electronically in PDF format and emailed to the technical points of contact: Ken Heeke (kenneth.heeke@navy.mil) and Roger Sullivan (roger.sullivan@navy.mil). The subject line of the email should read as follows “RFI: ONR Code 352 FNC Survey of Industry S&T Investments.”

c. **All responses should be unclassified.** If desired, a **classified** supplement may be submitted separately. Please contact one of the Technical Points of Contact for directions on submission of any sensitive or classified information. All information received in

response to this RFI that is marked proprietary will be handled accordingly. Responses to this notice will not be returned.

d. ONR is seeking from responders a one (1) page quad chart focusing on one or more aspects of the ONR 352 technologies outlined above in section III.c. Additional papers, which elaborate on the quads, will be accepted, but are not required. Industry capability analyses should not exceed five (5) pages.

e. A suggested submission organization:

1. Cover Sheet – RFI number and name, address, company, technical point of contact, with printed name, title, email address and date.
2. The informational Quad Charts should be non-proprietary and unclassified. They will be distributed with a Distribution D statement allowing DoD and DoD Contractors to view the quads. This should be a single slide MS PowerPoint format. A template will be available on the ONR events registration website.
3. Additional technical data in a longer industry capability analysis is optional.
 - a. Executive summary
 - b. Detailed description of the technical solution proposed

No cost or pricing information should be provided. Any received will be deleted and destroyed.

V. QUESTIONS AND POINT OF CONTACT

Questions of a technical nature regarding this RFI may be sent to the following Technical Points of Contact:

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