



DEPARTMENT OF THE NAVY
PROGRAM EXECUTIVE OFFICER
AIR ASW, ASSAULT AND SPECIAL MISSION PROGRAMS
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IN REPLY REFER TO
Ser PEO(A)015-14
FEB 19 2004

From: Program Executive Officer
Air ASW, Assault and Special Mission Programs

Subj: REQUEST FOR ASSAULT ADVANCED TECHNOLOGY REVIEW BOARD
(ATRB) 04-1 SUBMITTALS

Encl: (1) Assault PMA System Needs
(2) Assault ATRB Description Submittal form
(3) ATRB Ratings Categories
(4) NAVSTO Base Access Request form
(5) Assault ATRB Report 03-2 dated 12 August 2003,
published 15 January 2004

1. The Assault Advanced Technology Review Board (ATRB) was created by PEO(A) to identify and prioritize suitable Science and Technology (S&T) candidate projects (including technologies which improve maintenance or reduce total ownership cost) for transition into the major assault programs. For Assault, these programs include: AH-1W/Z, UH-1N/Y, AV-8B, V-22, MH-53, CH-53D&E, VH-3D, VH-60N and SH/HH/MH-60.

2. The ATRB process, developed and utilized by the Naval Aviation Systems Command (AIR-4.0T), has proven to be an effective technique for producing formally endorsed, prioritized technology programs for integration into platform timelines as well as supporting fiscal planners. ATRB results are provided to ONR, OPNAV/HQMC, ASN/RDA, NWDC, the Assault PMAs (207, 257, 261, 274, 275, 276, 299) and NAVSTO/NAVAIR technologists. The Assault ATRB is planning to convene its fourth ATRB (04-1) in April 2004. This event will review assault-related projects for Discovery and Innovation (6.1-6.2), Future Naval Capability (FNC) Programs (6.2-6.3), Small Business Innovative Research (SBIR), MANTECH, and Industry IR&D. While the ATRB does not itself fund programs, it assesses projects for transition potential in order to enhance technology insertions by identifying acquisition sponsors and suggesting program improvements. You are invited to submit Science and Technology (S&T) project write-ups addressing specific issues presented in Enclosure 1, in any of the above project types for ATRB assessment of transition potential.

3. The procedure consists of two steps. The first is a "Pre-ATRB" meeting to provide the opportunity for OPNAV/USMC, PMAs, industry and academia Science & Technology submitters to present (10 to 15 minutes PowerPoint presentation) their proposed project(s) and explain how it meets the PMA's stated needs. This

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meeting is scheduled for 8 April 2004 at Patuxent River, MD.
Selected participants will be notified by phone and e-mail on the afternoon of 25 March 2004 to facilitate transportation requirements. Agenda and final meeting arrangements will be provided to all selected participants approximately one week later.

The second step is the "Decision Meeting" where voting members of the ATRB cast their votes rating each project. Attendance at this meeting is limited to voters and invited observers. The date for this meeting is 21 April 2004 at Patuxent River, MD.

4. Enclosure (1) provides PMAs integrated, System and Technology needs for your consideration. You should respond with a written description of the S&T project that addresses a specific need or needs. Enclosure (2) is the Assault ATRB S&T Description Submittal form. It can also be found in Word format for electronic written submissions on the ATRB web site. Enclosure (3) describes ratings used by the ATRB to prioritize projects. Enclosure (4) is the NAVSTO Base Access Request Form and is discussed in paragraph (8). Enclosure (5) is the Assault ATRB Report 03-2 dated 12 August 2003 and published 15 January 2004, from the previous cycle and is included for your information in preparing a submittal for this cycle's Assault ATRB.

5. A NAVAIR ATRB web site has been established at: <http://atrb.navair.navy.mil> and is an excellent reference source. The site provides generic information about the ATRB process as well as specific information about each individual ATRB. Results from the previous ATRB cycle are also posted.

6. After the written descriptions are received, they will be reviewed and evaluated by the ATRB. A written response will be provided to each submitter describing the strengths and weaknesses of the submittal. Highly rated technologies will be depicted in PMA technology roadmaps. For those projects rated in the top two categories by the ATRB, face-to-face follow-up meetings may be scheduled as mutually desired between the principal investigator and the lead PMA to begin transition planning.

7. Milestones:

09 Feb	Call letter issued
15 Mar	<u>Deadline for Assault ATRB S&T Description submittals</u>
25 Mar	(Internal) PMA screening meeting of S&T submittals. Notification of those selected for presentation.
01 Apr	Pre-ATRb meeting agenda sent to those submittals selected for presentation. S&T submitters to forward NAVSTO Base Access form.
08 Apr	Pre-ATRb meeting - presentations of S&T candidate projects by respective submitters
22 Apr	(Internal) ATRB Decision Meeting

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8. The Pre-ATRB meeting will be unclassified, however new security procedures at Patuxent River require all visiting contractors to submit a new NAVSTO Base Access Request Form (Enclosure 4). The form reflects the new procedure instituted at NAS Patuxent River, and must be sent 72 hours in advance of arrival by any contractor, DOD, or other personnel who are not already cleared for access onto the base. After the agenda has been distributed and attendees have finalized travel plans, please e-mail or fax the NAVSTO Base Access Request Form to the NAVSTO secretary. Ms. Lori Lontos at lontoslj@navair.navy.mil (fax: (301) 757-3258, ph: (301) 757-3256). An approval will be obtained from NAVSTO management for the visits and the information entered in the information Security or BASICII database. It is requested that the forms be sent immediately upon receipt of the Pre-ATRB meeting agenda.

9. Non-proprietary written submittals should be provided electronically via the ATRB website. Go to <http://atrb.navair.navy.mil>, click on "submissions", and follow the directions. In addition, please forward a copy to Mr. David Bailey (NAVSTO-4.0T) at david.b.bailey@navy.mil. *Please forward this call to technologists in government, industry or academia that may be interested in participating.* If you have any questions, call Mr. David Bailey (NAVSTO) at (301) 342-0219 or LtCOL Stephen Waugh (PEO(A)-OpsM), Assault ATRB Chairman, at (301) 757-5370.

10. In closing, the following guidance is offered. At the conclusion of Assault ATRB 03-2, N780 recommended to members of the Board that the following points be considered when submitting technologies for assessment by this ATRB.

--Interoperability and Transformation : The proposed technology should support a joint service interoperability process and should support the CNO's goals for transformation.

--Operations and Support / Reliability and Maintenance : The proposed technology should be centered on Operation and Support (O&S) and Reliability and Maintainability (R&M) principles to provide the warfighter with the most useable technology to meet the mission.

--Technical Advances : The proposed technology should center on the principles of *smaller, lighter and less expensive* than the current technology with emphasis on low power consumption and less heat generation.


T. E. LAUX
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