

**Amendment Number 0003**

**Broad Agency Announcement (BAA) Number: ONRBAA15-0005**

**Solid State High Power Laser Weapon System Demonstrator (LWSD) Design,  
Development and Demonstration for Surface Navy, USN**

The purpose of this amendment is to (1) extend the due date for full proposals; and (2) to provide answers to questions submitted in response to the BAA.

(1) Paragraph E. entitled “Response Date” is deleted in its entirety and replaced with the following (changes in BOLD):

**E. Response Date –**

Full Proposals: **03 February 2015** at 2:00 PM (Eastern Standard Time);

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(2) Section IV, paragraph A entitled “Application and Submission Process – Full Proposals” is deleted in its entirety and replaced with the following (changes in BOLD):

**A. Application and Submission Process – Full Proposals**

*Full Proposals:* The due date for receipt of Full Proposals is 2:00 PM (Eastern Standard Time) on Tuesday, **03 February 2015**. Proposals received after the published due date and time will not be considered for funding under a separate BAA at a later time. Proposals exceeding the page limit may not be evaluated. It is anticipated that the final selection will be made on or about Tuesday, 31 March 2015.

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(3) Paragraph C. entitled “Significant Dates and Times” is deleted in its entirety and replaced with the following (changes in BOLD):

**C. Significant Dates and Times –**

Event	Date	Time
Full Proposal Due Date	<b>03 February 2015</b>	2:00 PM Eastern Standard Time
Notification of Selection Full Proposals*	31 March 2015	
Award*	29 May 2015	

\*These dates are estimates as of the date of this announcement.

(4) The following answers are provided in response to the questions submitted in response to the BAA:

Question #1: BAA Appendix B, System Requirements Review Success Criteria, bullet 12 (page 7) makes reference to "operational and support concepts". It is assumed that this reference pertains to the entire system and is related to Integrated Logistics Support (ILS) and not Software. Please confirm.

Answer#1: ONR BAA 15-005, Appendix B on Page 7 identifies for a System Requirements Review (SRR) of the proposed laser system, where multiple success criteria exist and are expected to be met. Included in this list was the twelfth bullet of: "*Have programming languages and architectures, security requirements and operational and support concepts been identified?*" The bullet is inclusive of both hardware and software integrated logistics support issues, however, since this is an initial developmental/demonstration item - software integrated logistics support issues will be less of a guiding factor in the overall development within the period of performance in Phases I, II, and III.

However, the issue of requirements resulting from the implementation of Information Assurance (IA) as outlined in Appendix A, page 2, reference number 13, "the Department of Navy Information Assurance Policy Update Memo" dated 26APR2010 - should be carefully reviewed in order to ensure a viable transition pathway to conduct both ship based testing (SBT) as well as potential installation of the Tactical Laser Core Module (TLCM) onto the target platform (DDG-51 Flight IIA) in the future. So both hardware and software Integrated Logistics Support (ILS) will be evaluated at SRR, but only a limited, modified Integrated Logistics Support (ILS) methodology for software is expected through Phase III.

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Question #2: On Page 13 under LWSD Design, Item 1), paragraph f), it says: "Use HEL wave-front characteristics and beam jitter consistent with the proposed system design but assume perfect atmosphere (i.e. no turbulence, scattering, or absorption knockdown)." Should it be assumed that we neglect the atmosphere for only beam propagation? Are we to also neglect the atmospheric contributions to overall system jitter?

Answer #2: Yes, for this simplification, it is acceptable to assume the atmosphere provides no change to beam propagation. There is no expected system jitter contribution caused by the atmosphere with this simplification.

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Question #3: In the Security Class Guide, page 7, Section I., paragraph (4) (a) states that "reduced data associated with total system jitter of a developmental or operational LW" is classified S-25x4, but makes no mention of predicted or calculated system jitter. Should we protect predicted or calculated total system jitter at the same classification as the reduced test data or is that number to be treated as Unclassified?

Answer #3: It is expected that any proposal for the Tactical Laser Core Module (TLCM) would protect and mark as classified (S-25x4) any predicted or calculated “total system jitter” value at the same classification as the reduced test data.

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Question #4: Appendix A, first paragraph (page 39) states, "Government research facilities and operational military units are available and should be considered as potential government-furnished equipment/facilities. Proposers should indicate in the Technical Proposal Template, Section II, Blocks 8 and 9, which of these facilities are critical for the project's success. Proposers should also describe the schedule and ROM cost for these facilities." The Technical Proposal Template, Section II does not include a 'Blocks 8 and 9'. Is it a requirement to submit a schedule description and ROM cost for Government research facilities and operational military units?

Answer #4: ONR requests submission of schedule descriptions for Government research facilities and operational military units only in order to provide understanding of the technical approach provided by the vendor. ROM cost estimates for any GFE/GFI, if provided, should only be made and included as separate estimates from any submitted contract costs which are included in the contractor’s cost proposal.

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***Please read the BAA, along with the Amendments, in its entirety prior to submitting questions. Except as modified herein, the information stated in ONRBAA15-0005 remains unchanged.***