

## **N00014-17-S-B009 Torpedo Advanced Propulsion System (TAPS) Amendment 0002**

The purpose of Amendment 0002 to BAA N00014-17-S-B009 is to respond to questions submitted prior to 1 March 2017, extend the closing date, and to amend the BAA.

### ***1. The following provides questions and responses:***

**Q1:** On page 16 of the BAA, Section FULL PROPOSALS, it states:

“Offerors shall submit a notional proposal for Phase II effort that shall include a preliminary description of their anticipated Phase II effort. Offerors shall address how they will meet the Objective metrics (listed on the classified addendum) and System Attributes (Section F) and provide a ROM Phase II cost estimate including the basis of estimate.”

Does the Phase II notional proposal count towards the 20 pages of the technical section for Phase I?

**A1:** The Phase II Notional proposal does not count towards the 20 pages of the technical section for Phase I. See Amendment 2D below.

**Q2:** On Pages 16 and 17 of the BAA, Section FULL PROPOSALS it states:

The following five documents with attachments comprise a complete proposal package:

- (1) Proposal Checklist (.pdf)
- (2) Technical Proposal Template (.pdf) – limit 20 pages
- (3) Cost Proposal Spreadsheet (Excel): Unlimited
- (4) Adequacy Checklist for Pre Award Audit (SF 1408) (as applicable)
- (5) Stand-alone non-proprietary Statement of Work (SOW) in Word
- (6) ONR Representation and Certifications

With regards to item (2) Technical Proposal Template (.pdf), is it ONR’s expectation that the Title Page and Table of Contents should count towards the 20 page limit of the technical proposal section?

**A2:** Title Page and Table of Contents do not count towards the 20 page limit of the technical proposal. See Amendment 2D below.

**Q3:** On Pages 5 and 6 of the BAA, Table 2 – Electric Power System Concept Attributes, it states: Weight limit- 1500 lbs\*. Is this 1500 lbs weight requirement for dry weight or wet weight? Does the Phase II notional proposal count towards the 20 pages of the technical section for Phase I?

**A3:** See classified addendum. The classified addendum contains the relevant technical information against which the proposals will be evaluated. With respect to page count, see Amendment 2D below.

**Q4:** On Pages 5 and 6 of the BAA, Table 2 – Electric Power System Concept Attributes, it states: Weight limit 1500 lbs\*. Can ONR please provide clarification if the weight of the coil is included the 1500 lbs restriction? If yes, what is the weight of the coil, and what is the space reserved for the coil?

**A4:** See classified addendum. The classified addendum contains the relevant technical information against which the proposals will be evaluated.

**Q5:** On page 7 of the BAA, Section Phase I Base (up to 18 months), a Preliminary System Design is a required deliverable. Can ONR please provide additional details as to the expectations and the deliverables associated with this requirement?

**A5:** The Preliminary System Design deliverable should consist of the design package of your system/sub-system based on the TRL-4 analysis.

**Q6:** On Pages 5 and 6 of the BAA, Table 2 – Electric Power System Concept Attributes, it states: Energy section envelope- Right circular cylinder with a 18.5” diameter and 72” length. If the shell is integrated into the Energy section, can proposed solution utilize the full 21” diameter of the torpedo section?

**A6:** See classified addendum. The classified addendum contains the relevant technical information against which the proposals will be evaluated.

**Q7:** For Technology Two: Al-AgO Electric Power System, is it anticipated that Silver will be provided as Government Furnished Material?

**A7:** Silver will not be provided as Government Furnished Material.

**Q8:** After reviewing the RFI and the confidential addendum, several inconsistencies relative to the Mk48 alternator speed range other speeds/ratios communicated in the addendum.

**A8:** The Government does not believe there are inconsistencies in the addendum, which contains the relevant technical information against which the proposals will be evaluated.

**Q9:** Page 6, Scope - First Bullet. The Scope statement request "A matrix listing all test parameters and test conditions of components and full-scale testing shall be provided in the proposal." Can the test matrix be submitted in the SOW section of the proposal, instead of the Technical Section?

**A9:** The test matrix shall be included in the Program Plan as part of the Technical Proposal. See Amendment 2B below.

**Q10:** Page 6, Scope - Second Bullet. Reference statement "Develop a preliminary 3D CAD-based Solid Model demonstrating attainment of the performance specifications." A 3-D CAD solid model does not provide data for system/engine performance. The 3-D solid model would show the hardware fitting in the existing hardware envelope, hence the hardware specification. Please provide an explanation of the statement.

**A10:** The 3-D CAD model shall show the hardware layout/fitting for the design to achieve performance specifications. See Amendment 2C below.

**Q11:** Is an existing MK48 Hazards Analysis Document available as a model of the Preliminary Hazards Analysis requested in the BAA? If so, can you provide a contact to request the document?

**A11:** The Preliminary Hazard/Safety Analysis shall be generated using MIL-STD 882 (series <http://www.bmpcoe.org/library/books/mil-std-882d/index.html>) as guidance. Format shall be in accordance with DI-SAFT-80101 (series [http://www.system-safety.org/Documents/DI-SAFT-80102C\\_SAR.pdf](http://www.system-safety.org/Documents/DI-SAFT-80102C_SAR.pdf)). See Appendix B, forwarded by this Amendment 2E.

**Q12:** Is a copy of the current MK48 after-body/tail-cone (AB/TC) Standard Operating Procedure (SOPs) documentation available?

**A12:** All required documentation for proposal development is contained in the BAA and/or the Classified Addendum.

**Q13:** Is the fidelity of the full scale 3-D solid model requested in each phase of the program to include every hardware component (down to nuts and bolts) of the whole propulsion system, or just a 3-D model of the modified system and its interfaces?

**A13:** 3-D models are required for any component/system modified or developed. Interfaces with other systems shall be included.

**Q14:** Will ONR consider extending the closing date for awards?

**A14:** Yes. The closing date is amended to 1 May 2017. See below Amendment 2A.

**2. The BAA is hereby amended as follows:**

A.) The closing date for awards has been extended to 1 May 2017, 2:00 PM (Local Time, Washington, D.C.). This extension has resulted in the following date changes:

1. Page 3, Part I, Section E – Full Proposal Response Date changed from 20 March 2017 to 1 May 2017.

2. Page 15, Part IV, Section A – The first sentence under ‘Full Proposals’ now reads “The due date for receipt of Full Proposals is 2:00 PM (Local time, Washington, D.C.) on Monday, May 1, 2017.”

3. Page 19, Part IV, Section C – The first sentence under ‘Significant Dates and Times’ now reads “This announcement will remain open until 1 May 2017 or until replaced by a successor BAA, whichever occurs first.”

4. Page 19, Part IV, Section C – The ‘Anticipated Schedule of Events’ table contains the following updated dates:

<b>Anticipated Schedule of Events</b>		
<b>Event</b>	<b>Date (MM/DD/YYYY)</b>	<b>Time (Local time, Washington, D.C.)</b>
Full Proposals Due Date	05/01/2017	2:00 PM
Notification of Selection for Award*	06/01/2017	
Contract Awards*	10/01/2017	
Kickoff Meeting*	Early FY18	

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

B.) Page 6, Part I, Section F – Revise the first bullet under ‘Scope’ to read: "A matrix listing all test parameters and test conditions of components and full-scale testing shall be provided in the Program Plan as part of the Technical Proposal"

C.) Page 6, Part I, Section F - Add the following sentence to the second bullet under ‘Scope’, after the statement: "Develop a preliminary 3D CAD-based Solid Model demonstrating attainment of the performance specifications."

“The 3-D CAD model must show the hardware layout/fitting for the design to achieve performance specifications”

D.) Page 17, Part IV, Section B – After the sentence “(2) Technical Proposal Template (.pdf) – limit 20 pages)”, add “The Title page, table of contents, and Phase II Notional proposal do not count towards the 20 page limit of the technical proposal.”

E.) Insert the following Appendix B:

**APPENDIX B: Hyperlinks**

MIL-STD- 882D	<a href="http://www.bmpcoe.org/library/books/mil-std-882d/index.html">http://www.bmpcoe.org/library/books/mil-std-882d/index.html</a>
DI-SAFT 80101B	<a href="http://www.system-safety.org/Documents/DI-SAFT-80102C_SAR.pdf">http://www.system-safety.org/Documents/DI-SAFT-80102C_SAR.pdf</a>

**3. All other terms and conditions remain unchanged.**