

Amendment 0007
Solicitation Number ONRBAA 12-019
“Research and Development/Technology Maturation of Solid State High Power Laser Weapon Systems,
Subsystems, and/or Components for Surface Navy, USN”
Date 04 October 2012

The purpose of Amendment 0007 is to respond to questions submitted from 09/25/2012 through 10/4/2012.

1. Industry Questions and Answers are provided as follows:

Q88) Do the weight/size/power specifications for the control electronics racks (as shown in the table of the classified appendix for both 30kW and 125kW configurations) apply for just the laser subsystem? Or are the weight/size/power allocations of other subsystems' control electronics also included?

A88) Allocations for weight/size/power shown in the weapons specification are provided as guidance values for the laser and beam director subsystems only. These values will be reviewed with government SMEs, and considered with other relevant system, subsystem and ship weight/size/power allocation information in Phase I of the effort, Concept Design, and reviewed at the Concept Design Review (CoDR) at the end of Phase I.

(Q89) Do the allocated weight specifications include the weights of the racks?

(A89)Yes, however, again, allocations for weight/size/power shown in the weapons specification are provided as guidance values for the laser and beam director subsystems only. These values will be reviewed with government SMEs, and considered with other relevant system, subsystem and ship weight/size/power allocation information in Phase I of the effort, Concept Design, and reviewed at the Concept Design Review (CoDR) at the end of Phase I.

(Q90) "The BAA refers to the preparation and delivery of a 'Level 3' Technical Data Package at completion of each of the CoDR, PDR and CDR design reviews. The reference to Level 3 in the context of the BAA does not appear to be consistent with Mil-Std 31000 (DEPARTMENT OF DEFENSE, STANDARD PRACTICE, TECHNICAL DATA PACKAGES), but rather indicates a desired level of detail. Please clarify what scope and level of documentation is required in the TDP for each of the reviews."

(A90) Please refer to the "General Guidance for Technical Reviews including Concept Design Reviews (CoDR), Preliminary Design Reviews (PDR) and Critical Design Reviews (CDR) for first article Naval S&T Prototypes" dated JUN 2012. MIL-STD-31000 defines elements (Models, Drawings, Associated lists, Specifications, Standards, Patterns, Performance requirements, Quality assurance provisions, Software documentation, Packaging details) that may make up a Technical Design Package (TDP) to be delivered at each review; however it cannot do so alone and does not provide context. It must rely on other standards or documents to define actual content and format. The level 3 (as identified in section 5.7.1.3) "quality" referenced and identified in MIL-STD-3100 refers to "Product drawings/models and associated lists" which shall be needed by the government in order to proceed after each review of the proposed vendor's prototype configuration is conducted. This context is the stated purpose of the "General Guidance for Technical Reviews including Concept Design Reviews (CoDR), Preliminary Design Reviews (PDR) and Critical Design Reviews (CDR) for first article Naval S&T Prototypes" dated JUN

2012, and this document is repeatedly referred to in Pages 7 through 10 of the BAA. Therefore, potential vendors should carefully review the checklists provided to better understand the desired level of details in a level 3 technical data package required to meet acceptable performance at each review. It is also expected that the TDP shall change and any deficiencies identified in the reviews shall be corrected in the TDPs as part of the technology maturation process. And as identified, at each review, a differing level or depth of system complexity and detail shall be investigated. At Concept Design Review (CoDR), the system which was proposed will be reviewed with the associated technical data package, after interacting with the government for Phase I, to establish top level system level requirements, thresholds and objectives - as well as establish subsystem requirements flow down and draft Interface Control Documents (ICD). At Preliminary Design Review (PDR) specifics regarding subsystems and components, as well as ship interfaces shall be reviewed to a greater level of detail in order to support any continued ICD developments, the start of manufacture of long lead critical components, as well as enabling tasking of specific safety planning activities. At Critical Design Review (CDR) details regarding system, subsystems and individual components design in both hardware and software with associated production control processes - as well as cost control information shall be reviewed and completed. For details of the specifics of what will be reviewed at each, please refer to the "General Guidance for Technical Reviews including Concept Design Reviews (CoDR), Preliminary Design Reviews (PDR) and Critical Design Reviews (CDR) for first article Naval S&T Prototypes" dated JUN 2012. Therefore, it is expected that the Technical Design Package shall grow from the initial package delivered at CoDR, until CDR when the Phase II effort ends.

Q91) Should there be separate Cost Proposal Spreadsheets for Phases I, II, & III or should the different phases be priced as options in one spreadsheet?

(A91) As stated in the BAA 12-019: "If proposing options, they **must** be separately priced and separate spreadsheets should be provided for the base period and each option period. In addition to providing summary by period of performance (base and any options), the Contractor is also responsible for providing a breakdown of cost for each task identified in the Statement of Work. The sum of all costs by task worksheets **MUST** equal the total cost summary." Since Phase II and Phase III are Options, they require separate spreadsheets.

(Q92) Do you want the Task tabs in the Cost Proposal spreadsheet priced at a level 3 or level 4 WBS?

(A92) As stated, Level 4 is required to understand the technical efforts being proposed. Similarly, a cost breakdown should be easily understandable to the same level of detail, but can be alternately be provided in tabular form for ease and simplicity, as a summary at level 3, rather than individual tabs. There should be a one-to-one correlation of technical effort proposed to cost values reported in the cost section. Of importance is the ability to determine such issues as the type of technical efforts proposed, the technical skill sets being proposed for the tasking (e.g. System Engineer Level II), the number of man hours required (x hrs) , and how any hardware or subcontracting elements will accomplish tasks in order to "roll up" the technical effort and justify the proposed technical approach and costs.

(Q93) It appears that our BOEs are required as part of our package for the basis and rationale of our proposed costs as well as any material and subcontract supporting documentation that we have; how do you want us to submit that supporting documentation? Should it be in PDF form as an attachment to the Cost Proposal Spreadsheet?

(A93) Supporting documentation can be submitted in PDF form. It should be noted that the Basis of Estimates (BOE) for consultants, materials, equipment, travel and other direct costs can be submitted at the time of proposal submission, but they are not required at the time of proposal submission. However, if an offeror is selected for award, the BOEs (supporting documentation) will be required before a contract is awarded to that offeror.

Also, it should be noted that BOEs for subcontractor proposals can be submitted at the time of proposal submission in PDF form but are not required at the time of proposal submission. Regarding subcontractor proposals, it's important to remember that - as stated in the ONR cost proposal spreadsheet under the Subcontractor tab - a fully disclosed cost proposal as detailed as the Offeror's cost proposal will be required to be submitted by all proposed subcontractors and for all inter-organizational transfers over \$150,000 at the time of proposal submission.

(Q94) A question has come up regarding the ONR's expectation for model contract review at the time of proposal submittal. Does the ONR expect proposals to be submitted with a fully reviewed and red-lined model contract at the time of submittal?

(A94) Model contracts are not required.

(Q95) I am looking for the industry day slides and Q&A slides that according to amendment 6 are located on the Navy's BAA site. I see the BAA Announcement and the Amendments, but no slides, Q&A or other files seem to be located there.

(A95) Industry Day briefing slides are now available at <http://www.onr.navy.mil/en/Contracts-Grants/Funding-Opportunities/Broad-Agency-Announcements.aspx> and FedBizOpps at www.fbo.gov.

(Q96) I see the BAA and amendments on the website. However I could not find the Pre-proposal Conference/Industry Day briefing slides in the package under BAA 12-019.

(A96) Industry Day briefing slides are now available at <http://www.onr.navy.mil/en/Contracts-Grants/Funding-Opportunities/Broad-Agency-Announcements.aspx> and FedBizOpps at www.fbo.gov.

(Q97): Will the receptionist accepting proposals in the ONR lobby on the due date be appropriately cleared to accept classified addenda to unclassified proposals?

(A97) Yes.

(Q98): Will offerors be allowed to coordinate and hand deliver the proposal submittals to the ONR earlier than the due date of 16 October 2012, or will hand deliveries be accepted by ONR only on the day of 16 October 2012 – please clarify.

(A98): No. Deliveries shall only be accepted by ONR only on the day of 16 October 2012 from 0900 to 1400hrs at the appropriately labeled desk in the lobby.

(Q99): We noticed that for the technical content file, the boxes provided on Technical Content.doc have varying margins. May we remove the boxes so as to provide a consistent page layout within the prescribed outline?

(A99): No, use the form as provided.

(Q100): Is Microsoft Word 2007 (“.docx”) an acceptable file type for our Technical-Content-III submittal?

(A100): Either Microsoft Word “.doc” or “.docx” formats are acceptable.

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