

Amendment 0004
BAA 08-013 titled “100 kW FEL”

The purpose of Amendment 0004 is to:

- 1) List the new phone number for Quentin Saulter: 703-696-2594**
- 2) Answer questions from Industry Day and other questions.**
- 3) Answer other recently submitted questions**

INDUSTRY DAY QUESTIONS

Q: Phase III does not have enough detail to develop the Basis of Estimate for each of the activities to execute Phase III. Will additional details be available?

A: No additional details will be given. Make a reasonable engineering interpretation, cite any accompanying assumptions and provide your response on the basis of those cited assumptions.

Q: The BAA says 1.6 μm wavelength in Section 6, the presentation today listed 1.06 μm , 1.6 μm and 2.1 μm , please comment.

A: Details will be provided in Appendix A, to be distributed during classified Industry Day briefings tomorrow.

Q: Will the charts from Industry Day be available to the attendees?

A: The first day briefs will be posted.

Q: Is there a not-to-exceed (NTE) cost for Task 1 (0_{1A}) or Task 2 (0_{1B})? If so, what is/are these NTEs?

A: No NTE's.

Q: Are long-lead procurement items provided in Phase IB funded out of Phase IB budget or Phase II budget?

A: Long lead material shall be identified near the end of Phase IB. Procurement of Long Lead Material, based on availability of funds, shall occur early in Phase III.

Q: Does the Phase III cost include only transportation and set up of the system, excluding the facility/vehicle for receipt of the system and any test support?

A: The government will pay for costs associated with field acceptance. Testing with GFE.

Q: Will each selected prime receive its own IDIQ? Under the IDIQ, will separate task orders be issued by Phase IA, Phase IB, and Phase II?

A: Yes, each prime will receive an IDIQ award. One task order per Phase will be awarded. If additional scope is required by the government a task order modification will be processed rather than awarding of an additional task.

Q: What will be the format and length of the Oral Presentations? Will there be questions from the Navy during presentation?

A: TBD, yes there will be questions about 90 minutes each with questions.

Q: What is the jitter (rms) and bandwidth specifications for beam position?

A: The goal for beam position jitter is $\leq 5\%$ of the beam diameter at the beam exit point.

Q: Is there a maximum time limit on turning the FEL (jump or continuous) to a certain wavelength? Subsequent – is there a rapid tuning need?

A: Does not have to have continuous turning.

Q: Should exposure limits for personnel follow DoD or DOE rules? Or, what sets exposure limit guidelines for personnel?

A: OSHA and Industry EH&S guidelines apply.

Q: Should the 100kW INP FEL be required (encouraged) to explore larger pulse charges approaching or at 1mC?

A: The INP requires that the FEL must address scalability to 1 MW.

Q: What is the definition of availability? How are scheduled hours set? Is there a minimum number of scheduled hours per week/month/year?

A: The design shall support an experimental availability of 80%, based upon the proposed number of hours per year.

Q: How are the research efforts to be carried on during INP? Several Research Programs/Efforts among those discussed at Industry Day need further development to bring to usability?

A: There are “research” efforts and “research” efforts. That is, certain items appropriate for sponsorship by the D&I program, certain appropriate for sponsorship by JTO and certain appropriate within the INP.

Q: Does the contractor perform acceptance test on BAA’s Page 6? Will unclassified presentations be available?

A: The contractor shall perform the factory acceptance test with government observations. Presentations will not be posted, please contact Quentin.

Q: Is the full budget of \$14M in Phase IA available to contractors or is a managerial cost to be deducted?

A: \$14M is planned for up to 3 contracts based upon the availability of FY09 funding.

Q: Can Appendices A&B be posted onto our secure project website?

A: No, it should be limited to your project team due to OPSEC concerns.

Q: Do both the Amplifier and Oscillator configurations have to produce 100kW at 1.6 μ m?

A: Yes.

Q: Appendix A&B does not mention demonstration or design for scalability to 3MW output, but BAA does, has this design goal been dropped or downgraded?

A: BAA states scalable and traceable to MW class - Appendix A, part 2a.

Q: Can a company potentially submit a classified Appendix to the White Paper?

A: Yes, using proper security procedures.

Q: How can we find out who the interested parties or attendees were at the Industry day?

A: Industry day participant listings will not be provided by ONR.

Q: Will Industry Day Materials/Briefings be made available?

A: A link to Industry Day briefs from Day 1 (unclassified session) will be provided on the BAA website. Day 2 briefs will not be posted however Day 2 attendees may request additional information from the program manager listed in the BAA.