



66 -- Refurbish Existing Anechoic Chamber

- [Combine Synopsis/Solicitation](#) - Posted on May 24, 2007
- [Amendment to Combined Synopsis/Solicitation 01](#) - Posted on May 29, 2007

General Information

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Contracting Office Address

Department of the Navy, Office of Naval Research, Naval Research Laboratory, 4555 Overlook Ave. S.W., Washington, DC, 20375, UNITED STATES

Description

The purpose of this amendment is to provide answers to questions submitted from a potential offeror. Referenced drawings and pictures can be found at:
<http://heron.nrl.navy.mil/contracts/rfp/07tb05.htm>

Q-1. How close to the sidewalls, floor, and ceiling the source antenna is when it is at its maximum travel?

A-1. The source antenna can be moved in a square area of 18 inches wide x 12 inches high located on the center line of the back wall of the chamber. See the Chamber Drawing for dimensions. The source antennas are shown in the Source Antenna picture.

Q-2. How close to the transmit wall is the moving horn assembly?

A-2. Approximately 14 inches

Q-3. Where are the doors located in the facility?

A-3. See the chamber drawing for door dimensions and location. Picture of door is shown in the Chamber Door picture.

Q-4. Is there an existing drawing or sketch of the facility?

A-4. See the Chamber Drawing.

Q-5. Where is the chamber located? First floor?

A-5. The chamber is located on the first floor of Building 210 at the Naval Research Laboratory, Washington, DC. The diagram of Bldg 210 shows where the chamber is located.

Q-6. I think the "2" is a "-" which puts the chamber performance at - 40 dB @ 4-6- Ghz, -45 dB @ 6- 18 Ghz, and -50 dB @ 18 - 35 Ghz. Is this correct?

A-6. We cannot see the typo that you are referring to; however, the information is restated as follows: The quiet zone reflectivity is:

than or equal to 40 db	4-6 GHz	greater
than or equal to 45 db	6-18 GHz	greater
than or equal to 50 db	18-36 GHz	greater

Q-7. The chamber is too small to allow for a 6ft diameter QZ. The chamber would have to be 18ft x 18ft in cross section to allow a 6ft diameter QZ. The 12ft x 12ft dimension will allow a 4ft diameter QZ maximum. Would a smaller quiet zone be acceptable?

A-7. Offerors should propose based on the best capability that can be done with the information provided in the solicitation.

Q-8. What type of RF shielded Enclosure is currently being utilized for the chamber? Who manufactured it?

A-8. Our best information indicates it is a Boeing chamber. However this cannot be verified. It was built about 27 years ago.

Q-9. Will any RF attenuation testing and verification be needed for the project?

A-9. The specification states: Testing of the quiet zone should be included in the chamber

refurbishment.

All other terms and conditions of the original combined synopsis/solicitation remain unchanged.

Point of Contact

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