



66 -- Short Wave InfraRed Hyperspectral Imager

- [Synopsis](#) - Posted on Aug 02, 2005
- [Modification 01](#) - Posted on Aug 04, 2005

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

Description

The purpose of this amendment is to answer questions received from potential offerors and reclassify the small business size standard.

Question (1): Would you prefer a solution to include a range from 900 to 2500 nm? Or, were you thinking that something along the lines of 400 - 2500 nm is preferred?

Answer (1): The spectral range must include a 900 to 1700 nm, with a goal of additional coverage outside this range as stated in the specification. The additional coverage from 400 to 2500 nm would be helpful, however the imager must not use any expendable cryogenic liquid, or a mechanical cryocooler as stated in the specification.

Question (2) After review of the RFP, a throughput model vs. wavelength was conducted for the system to estimate SNR's, etc. and found what I think is an error in the spectral radiance tables in the RFP. Table 2 is the spectral radiance vs. wavelength that we get at the sensor for a 30% target, and Table 3 is the radiance we get for a 100% target (want the camera's output from this radiance to be below the saturation level of the pixels). So, I would expect the ratio of the radiance values from the two tables to be about 3.33. However, they are of the ratio of 33. When I did the SNR estimate and photoelectron counts for Table 2, that seemed reasonable; but the photoelectron counts using Table 3 looked way too high.

Answer (2): The spectral radiance values listed in Table 3 are incorrect. The specification has been revised and is posted at the following URL: <http://heron.nrl.navy.mil/contracts/RFP/05ms06.htm>
The spectral radiance values listed in Table 2 are correct.

The small business size standard is revised as follows:

North American Industry Classification System (NAICS) Code: From: 334513 To: 334511

Number of Employees:

From: 500 To: 750

Original Point of Contact

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Place of Performance

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