



## 66 -- Spectral and Radiometric Calibration Facility for MidWave and LongWave Infrared Sensors

- [Combine Synopsis/Solicitation](#) - Posted on Mar 28, 2006

### General Information

Document Type: Amendment to Combined Synopsis/Solicitation  
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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 and to extend the response date of this

solicitation. 1. The solicitation is hereby extended by one day. Quotes must be received no later than 4pm, 11 April 2006. Please be reminded that we will be accepting e-mailed and faxed quotes. 2. Questions and Answers: Question 1: Does the government have a preference between the following two approaches? A system that includes a blackbody source that either meets stipulated accuracy criteria (0.1 degrees C), but only over the central 10 inches, or alternatively meets somewhat looser specifications (0.2 degrees C) over the full 12 inch area. Answer: The government would prefer the stipulated accuracy over the central 10 inches of the source. Question 2: Can the government provide clarification of the use of a "spectral radiance" specification on the collimated source? This is a non-standard use of a unit customarily applied to diffuse sources in a context where the source is distinctly not diffuse. Answer: The Collimated Infrared Radiation Source can be thought of as being the equivalent of a diffuse source within the steradiency of the (almost) collimated beam, and having zero spectral radiance outside the steradiency of the beam. Perhaps a familiar optical example will help explain the intent of the specification. If a small, diffuse radiating source is placed at the focus of an off-axis parabolic mirror with 100 percent reflectivity, then the beam reflected off the mirror will be approximately collimated. In this case, the Watts per meter squared per steradian per micron in the beam will be equal to the Watts per meter squared per steradian per micron emanating from the small diffuse radiating source. 3. All other terms and conditions remain unchanged.

### Point of Contact

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### Place of Performance

Address: Contractor's Facility

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