



DEPARTMENT OF THE NAVY

NAVAL RESEARCH LABORATORY
4555 OVERLOOK AVE SW
WASHINGTON, DC 20375-5320

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION

1. The Department of the Navy, contracting through the Naval Research Laboratory, proposes to enter into a contract on other than a full and open competitive basis.

LOGOS Technologies, 4100 N. Fairfax Drive, Arlington, Virginia 22203

2. Nature and/or description of the action being approved.

The Naval Research Laboratory, Optical Science Division (Code 5660.1) is accelerating the development of a prototype 236 megapixel version of a daytime persistent surveillance grade camera system that is compatible with Tier II/III Tactical Unmanned Airborne Systems (TUAS). This effort is an extension of ONR's Lightweight Expeditionary Airborne Persistent Surveillance (LEAPS) Program. The prototype camera system, called LEAPS-236, designed and built to satisfy Navy, Marine Corps and Air Force requirements, incorporates many innovative features that provides a "leap ahead" in capability. The effort is being sponsored by the AF Wide Area Surveillance System (WASS) program.

NRL has a requirement for (1) fully integrated functioning LEAPS 236 prototype testable in a representative environment. Specific requirements include a 236 megapixel daylight imaging capability with a 25 cm Ground Sampling Distance (GSD) and a 10Hz data frame rate. The sensor system, housed in a camera pod must weigh less than 50 lbs and be stabilized on gimbals for integration on a variety of TUAS platforms. The task also includes update of data dissemination software and upgrade of all external camera interfaces.

3. Description of the supplies or services required to meet the needs of Naval Research Laboratory including the estimated value. NRL will receive:

LEAPS-236 Baseline Imager System Development: \$2,300,000.00

- 1 LEAPS-236 imaging system integrated into a camera pod for.
- 1 LEAPS-236 Data dissemination software package.
- 1 LEAPS-236 Stabilized Gimballed Camera pod.
- 1 LEAPS-236 System Test Results.
- 1 LEAPS-236 Final Report.

Options:

- 1) LEAPS-236 Imager System Build and Test \$3,100,000.00
- 2) Camera Data Link (CDL) upgrade \$100,000.00
- 3) Integration on Unmanned Aerial System (UAS) \$149,000.00
- 4) Flight Demonstration on a manned aircraft. TBD

3.1 A statement of delivery requirements.

The period of performance is 18 months from date of contract award. The contract options for the LEAPS-236 Imager System Build and Test, Camera Data Link (CDL), Unmanned Aerial System (UAS) and in-flight testing may be exercised at any time, with a delivery of 16 weeks from end of the base contract.

3.2 The total estimated dollar value (including all options) for the acquisition(s) covered by the justification.

The total dollar amount required for this effort is \$5,649,000.00, which covers the base but does not include any options.

4. Identification of the statutory authority permitting other than full and open competition.

As required by U.S.C. 2304(c)(1) - Only one responsible source, NRL requires imaging hardware with LEAPS-236 megapixel capability, and LOGOS Technologies is the only responsible source to meet the requirements of the LEAPS project because they are the only company offering an imager with this capability within the current requirement time-frame.

5. Demonstration that proposed contractor's unique qualifications or nature of the acquisition requires use of the authority cited.

This is an unsolicited proposal. LOGOS Technologies has been found to be the only company at this time that can meet the requirement within the required timeframe and without incurring large developmental costs.

The baseline LEAPS capability was developed under the previously established ONR LEAPS contract. The work planned under this LEAPS-236 contract accelerates the delivery of an enhanced production grade sensor to satisfy critical Navy and Marine Corps requirements. LOGOS is the only company with the knowledge, understanding and talent to deliver a fully qualified production version of the LEAPS sensor system in the allotted time.

Other companies have similar imagers planned but are much further behind in development. Also, the selection of LOGOS Technologies for this task is the best choice because it minimizes risk by reducing the possibility of miscommunication between multiple vendors, and by eliminating time delay issues that may arise due to third party attempts at trying to "get-up-to-speed" on a new project.

A capability demonstration is required no later than 3rd Quarter of 2011 to be on track for FY12 efforts and the continued budgeted funding. Given the long lead-time for some of the parts, It is necessary that the contract be awarded as soon as possible to prevent delay and putting NRL's ability to deliver on the demonstration requirements outlined by NRL's sponsor (USAF).

The Naval Research Lab does not intend to increase the scope or the duration of the task beyond what is identified here.

6. A description of efforts made to ensure offers are solicited from as many potential sources as is practicable including whether a CBD notice was or will be publicized.

The requirement was not publicized in the Governmentwide Point of Entry (GPE). The exception at FAR 5.202(a)(8) applies.

7. Determination by the Contracting Officer that the anticipated cost to the Government will be fair and reasonable.

Before awarding a cost-type contract, the Contracting Officer will perform a cost analysis in accordance with FAR 15.404-1(c) to determine whether the estimated contract amount is fair and reasonable; Or in the case of a fixed-price contract, the Contracting Officer will perform a price analysis in accordance with FAR 15.404-1(b) (and a cost analysis, if required) to determine whether the price is fair and reasonable.

8. Description of the market research conducted and results or statement of the reasons a market research was not conducted.

The COR/ARO is fully cognizant of the equipment/expertise in this scientific field and to the best of my knowledge; there is no other source available at this time.

Other companies have similar imagers planned but are much further behind in development. Also, the selection of LOGOS Technologies for this task is the best choice because it minimizes risk by reducing the possibility of miscommunication between multiple vendors, and by eliminating time delay issues that may arise due to third party developmental attempts for this new project.

9. Any other facts supporting the use of other than full and open competition:

The baseline LEAPS capability was developed under the previously established ONR LEAPS contract. The work planned under this LEAPS-236 contract accelerates the delivery of an enhanced production grade sensor to satisfy critical Navy and Marine Corps requirements. LOGOS is the only company with the knowledge, understanding and talent to deliver a fully qualified production version of the LEAPS sensor system in

the allotted time. Selecting other contractors would require the government to expend additional development funds to bring other contractors up to speed.

10. A listing of the sources, if any, that expressed, in writing an interest in the acquisition.

The requirement was not publicized in the Governmentwide Point of Entry (GPE). The exception at FAR 5.202(a)(8) applies.

11. A statement of the actions, if any, the agency may take to remove or overcome any barriers to competition before any subsequent acquisition for the supplies or services required.

None.

12. Certification and Approval signatures.

**TECHNICAL AND REQUIREMENTS CERTIFICATION
REQUIRED BY FAR 6.303-2(b)**

I certify that the facts and representations under my cognizance which are included in this justification which form a basis for this justification are complete and accurate.

Technical Cognizance

(Signature) Mr. Tim Barock 5670.1 6/10/10
Mr. Tim Barock Code Phone Date

Requirements Cognizance

(Signature) Dr. Ron Driggers
Dr. Ron Driggers Code Phone Date

CONTRACTING OFFICER CERTIFICATION REQUIRED BY FAR 6.303-2(a)(12)

I certify that this justification is accurate and complete to be best of my knowledge and belief.

(Signature) Carol A. Parnell 3230 6/15/10
Carol A. Parnell Code Phone Date

**APPROVAL BLOCK REQUIRED BY FAR 6.304 (see FAR 6.304 and DFAR 206.304
for Approving Official):**

APPROVED:
(Signature) Carol A. Parnell 3230 6/15/10
acting Carol A. Parnell Code Phone Date

LEGAL REVIEW in accordance with NMCARS 5206.303-90

This justification has been reviewed and determined to be legally sufficient.

(Signature) 1008.1 6/22/10
Name and Title Code Phone Date