



DEPARTMENT OF THE NAVY
PORT HUENEME DIVISION
NAVAL SURFACE WARFARE CENTER
4363 MISSILE WAY
PORT HUENEME, CALIFORNIA 93043-4307

IN REPLY REFER TO:

J&A NUMBER 11.031.2
111JD

JUSTIFICATION AND APPROVAL
FOR OTHER THAN FULL AND OPEN COMPETITION

JUSTIFICATION

1. Contracting Activity

Port Hueneme Division, Naval Surface Warfare Center (PHD NSWC), Port Hueneme, CA 93043-4307.

2. Description of Action Being Approved

This Justification and Approval (J&A) authorizes and approves the issuance of a Small Business Innovative Research (SBIR) Phase III Cost Plus Fixed Fee Contract modification under N63394-07-C-1170 with MIKROS Systems Corporation of Fort Washington, PA that is derived from, extends, or logically concludes efforts performed under prior funding agreements and is authorized under 10.U.S.C. 2304(b)(2) or 41.U.S.C. 253(b)(2). This J&A will be effective from the date of approval through 30 September 2009.

3. Description of Supplies/Services

Originally designated as the *Multiple Function Distributed Test and Analysis Tool* (MFDAT), the *Adaptive Diagnostic Electronic Programmable Test-Set* (ADEPT®) began as a SBIR FY 02 topic (Topic Number N02-039) submitted by the Program Executive Office, Integrated Warfare Systems (PEO IWS) 2.0 (Above Water Sensors Directorate). MIKROS Systems Corporation produced an operational, proof-of-concept, software demonstration/simulation model of an MFDAT system during its SBIR Phase I program. Under its SBIR Phase II program, MIKROS Systems Corporation produced a fully functioning, stand-alone prototype system capable of performing alignment and maintenance procedures on the SPY-1A radar. This system validated the concept of using an automated test tool with a data collection capability to reduce SPY-1A alignment and calibration time. Currently, MIKROS Systems Corporation is under a Phase III contract to produce 16 ADEPTs and six chassis. This modification will enable MIKROS Systems Corporation to participate in the Navy's Trident Warrior Exercise to provide "real world" distance support utilizing the ADEPT units. This effort provides for the analysis and presentation of the data, and lessons learned with respect to at-sea capabilities of the ADEPT. The data gathered during the exercise will be presented to the Trident Warrior planners, PHD NSWC and other interested U.S. Navy customers. The estimated value for this additional effort is \$26,304 of RDN funds (expire 31 December 2009) bringing the total contract value to an estimated \$3,665,334.00.

4. Statutory Authority Permitting Other Than Full and Open Competition

The statutory authority permitting other than full and open competition is Title 10.U.S.C. 2304 (c)(5) as implemented by the Federal Acquisition Regulation (FAR) 6.302-5 (Authorized or required by Statute).

5. Rationale Justifying Use of Cited Statutory Authority

This project is a Phase III SBIR award that is derived from, extends, or logically concludes the efforts performed under prior SBIR funding agreements and is authorized under 10.U.S.C. 2304 (b)(2) or 41.U.S.C. 253(b)(2). As previously stated, MIKROS has gained extensive corporate experience and knowledge performing Phases I and II of this effort and currently Phase III. This Phase involves Low Rate Initial Production of the developed item and is oriented towards further commercialization and refinement of the original SBIR research and development task.

6. Description of Efforts Made Solicit Offers from as Many Offerors as Practicable

The initial project was advertised under SBIR Topic N02-039 entitled *Multiple Function Distributed Test and Analysis Tool*. The competition derived in the Phase I and II awards satisfies the competition requirements of the Armed Services Procurement Act, the Federal Property and Administrative Services Act and the Competition in Contracting Act (CICA).

7. Determination of Fair and Reasonable Cost

The Contracting Officer, upon issuance of this contract modification, will make the determination that the anticipated costs will be fair and reasonable based upon a detailed price and or cost analysis, as prescribed by FAR Part 15.

8. Actions to Remove Barriers to Competition

The original solicitation was posted under SBIR Topic N02-039 in FY 2002. The Small Business Research and Development Enhancement Act (P.L. 102-564) waives further competition for follow-on work to an SBIR project to satisfy the requirements of CICA. Based on the immediate need of meeting the requirement, this market research is deemed adequate

**CERTIFICATIONS AND APPROVAL
TECHNICAL AND REQUIREMENTS CERTIFICATION**

I certify that the facts and representations under my cognizance which are included in this J&A and its supporting acquisition planning documents, except as noted herein, are complete and accurate to the best of my knowledge and belief.

TECHNICAL COGNIZANCE:

[Redacted]

[Redacted] Phone No. [Redacted] Date [Redacted]

REQUIREMENTS COGNIZANCE:

[Redacted]

[Redacted] Phone No. [Redacted] Date [Redacted]

LEGAL SUFFICIENCY REVIEW (NMCAG 5206.303(90)):

I have determined this Justification is legally sufficient.

[Redacted]

[Redacted] Phone No. [Redacted] Date [Redacted]

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

I certify that this Justification is accurate and complete to the best of my knowledge and belief.

[Redacted]

[Redacted] Phone No. [Redacted] Date [Redacted]

APPROVAL BLOCK (FAR 6.304 for Approving Official)

Upon the basis of the above justification, I hereby approve, as Contracting Officer, the proposed procurement(s) described herein using other than full and open competition, pursuant to the authority of 10.U.S.C. 2304 (c) (1).

CONTRACTING OFFICER

[Redacted]

KITTIE ENLISON

Phone No. [Redacted]

Date

21 July 2007