National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California 94035-0001

Justification for Other than Full and Open Competition
[FAR 6.303-2(b)(1)]

Summary Information:

Initiating Office:	NASA Ames Research Center Procurement Division (Code JAZ)
Purchase Request No.:	Individual PRs will be provided for each task order
Procurement Title:	Rotary Wing Engineering, Modeling, and Simulation (REMS)
Total Estimated Value:	[redacted]
Period of Performance:	4 Apr 2012 through 3 April 2013
Statutory Authority: [FAR 6.303-2(b)(4)]	10 USC 2304(c)(1), Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements

This Justification for other than full and open competition (JOFOC) has been prepared in accordance with the requirements of Federal Acquisition Regulation (FAR) 6.303 and NASA FAR Supplement 1806.303.

Detailed Information:

A. Nature and/or description of the action being approved. [FAR 6.303-2(b)(2)]

NASA Ames Research Center (ARC) proposes to negotiate a sole source contract modification with Monterey Technologies Inc. (MTI) to extend the period of performance of the REMS contract (NNA07BB01C) for twelve months (from 4 April 2012 through 3 April 2013), pending award of the competitive follow-on contract for this effort. Upon JOFOC approval, contract NNA07BB01C will be modified to extend performance for up to twelve months, consisting of a ten month base period and two, one-month option periods. As a result of the extension, the total contract performance period could be up to six years. The purpose of this extension is to provide on-going support for rotary wing aircraft-related work at ARC pending placement of the follow-on contract as anticipated under the revised milestone plan.

This JOFOC documents the basis and authority to enter into an extension period for up to a maximum of twelve months with the current contractor without conducting a full and open competition. The performance period to be covered by this action will begin 4 April 2012, and end 3 April 2013. Procurement Information Circular (PIC) 00-22, Class Deviation—Five Year Term of Contract provides the authority to deviate beyond the extension of five and one half years. In accordance with the Federal Acquisition Regulations (FAR) 17.204, and NASA FAR Supplement (NFS) 1817.204(e), a deviation was requested and approved by NASA HQs on 20 March 2012 to extend the period of performance beyond the six-month class deviation provided by PIC 00-22.

B. Description of the supplies or services required to meet the agency's needs (including estimated value). [FAR 6.303-2(b)(3)]

This extension will provide continued support services for the advancement of knowledge and innovative technology in subsonic rotary wing disciplines, rotorcraft aeromechanics and human-system integration. In conducting this research and development work, NASA:

- Conducts fundamental and applied research to improve rotorcraft performance in the areas of aerodynamics, dynamics, flight controls and handling qualities, flight testing, simulation, acoustics, comprehensive analysis and advanced design
- Develops the associated technology and transfer the results and tools to the U.S. aerospace community
- Develops new technologies for application to civilian helicopters, tilt rotor aircraft, and other advanced rotary-wing aircraft
- Provides NASA and the Department of Defense, and other Government agencies with the technical expertise required to produce and use safe, affordable, and effective all-weather rotorcraft systems
- Conceives, develops, evaluates, and tests the procedures, processes, and actions for using manned and unmanned rotary wing vehicles, in conjunction with other aircraft, in the national airspace system and proposed next generation airspace systems from the perspective of the pilot/operator, his/her interface, the passenger, and the ground controller interface and airspace infrastructure

While NASA subject matter experts administer contract NNA07BB01C with MTI, due to its unique focus on aeronautics and rotary wing technology development and research, the Department of Defense (mainly the U.S. Army) and the Federal Aviation Administration obtain contract services to conduct time-critical research and technology development in support of vital national programs.

This twelve-month extension will have an estimated [redacted] value, but will not increase the total contract ceiling. The current contract ceiling is [redacted] with [redacted] expended and [redacted] remaining to support the further funding of the twelve-month extension period.

C. An identification of the statutory authority permitting other than full and open competition. [FAR 6.303-2(b)(4)]

The statutory authority permitting other than full and open competition is 10 USC 2304(c)(1), Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements.

D. Demonstration of the proposed contractor's unique qualification or the nature of the acquisition requires use of the authority cited. [FAR 6.303-2(b)(5)]

In accordance with FAR 6.302-1(a)(2)(iii), for DoD, NASA, and the Coast Guard, services may be deemed to be available only from the original source in the case of follow-on contracts for the continued provision of highly specialized services when it is likely that award to any other source would result in substantial duplication of cost to the Government that is not expected to be recovered through competition, or unacceptable delays in fulfilling the agency's requirements.

MTI provides highly specialized research services under the REMS contract to support the Aeronautics Research Mission Directorate (ARMD) Fundamental Aeronautics Program and the Subsonic Rotary Wing Project. These tasks include support for the development of a new national test capability for tiltrotor aircraft, development of technology required to conduct real-time pilot-in-the-loop simulations in the Vertical Motion Simulator, and unique experimental research into helicopter aeromechanics.

The twelve-month extension will allow sufficient time for ARC to award the follow-on contract. Without this extension, ARC would suffer unacceptable delays and a catastrophic gap in critical Rotary Wing support. Joint NASA/Army collaboration for key rotary technologies is dependent on the availability of services provided under this contract. The national Tiltrotor Test Rig (TTR) development to be used for next generation vertical lift aircraft development will require continuation of support service tasks and additional support service tasks under the REMS contract to maintain important program schedules. Major NASA Aeronautics Research Mission Directorate (ARMD) milestones are dependent on availability of the TTR as rapidly as possible. Thus, subject matter expertise available via the REMS contract is critical to the success of critical NASA, DOD and FAA programs. Were the current contract not to be extended, the NASA and FAA would fail to meet its national commitments under the new NextGen development schedule, putting aviation safety in the United States at risk.

Recompetition planning for the follow-on contract began in March 2011. The incumbent contractor possesses the required skilled personnel and resources to continue this mission critical support until the follow-on procurement is awarded. The Source Evaluation Committee (SEC) Chairperson and members of the SEC have been appointed and the Statement of Work (SOW) has been finalized by the SEC. The Draft Request for Proposal (DRFP) was issued on 22 February 2012. The Request for Proposal (RFP) is scheduled to be issued in April 2012, with proposals due in June 2012. Award is anticipated during the first quarter of Fiscal Year 2013. The twelve-month extension for the current contract will allow for completion of the award process of the follow-on contract.

Developing a competitive procurement that would serve to span the gap between the expiration of the current REMS contract and the award of the follow-on contract is considered impractical given the fact that ARC has already commenced procurement activities in support of the requirement for these services. It would further delay the award of the follow-on procurement because personnel involved would need to re-focus their efforts from the follow-on procurement to an additional procurement, and would result in unacceptable delays to NASA, DOD and FAA programs.

E. Description of efforts made to ensure that offers are solicited from as many potential sources as is practicable, including whether a notice was or will be publicized as required by FAR Subpart 5.2 and, if not, which exception under 5.202 applies. [FAR 6.303-2(b)(6)]

A synopsis was posted on the NASA Acquisition Internet System (NAIS) and the "FedBizOpps" Federal Business Opportunities Portal on 22 November 2011, for thirteen calendar days to inform the public of NASA's intent to extend contract NNA07BB01C with MTI in order to continue performance through 3 October 2012. The synopsis provided instructions for interested organizations to submit capabilities and qualifications to perform the effort to the Contracting Officer. No capability statements were received in response to the synopsis. On 9 February 2012, a modification to the synopsis was posted, changing the six-month extension to a nine-

month extension with an expiration date of 3 January 2013. No capability statements were received in response to the synopsis. On 23 February 2012, a second modification to the synopsis was posted, changing the nine-month extension to a twelve-month extension with an expiration date of 3 April 2013. No capability statements were received in response to the synopsis. Extensions were due to delays encountered with the release of the DRFP.

F. A determination by the contracting officer that the anticipated cost to the Government will be fair and reasonable. [FAR 6.303-2(b)(7)]

This twelve-month extension will have an estimated [redacted] value, but will not increase the total contract ceiling. The current contract ceiling is [redacted], with [redacted] expended and [redacted] remaining to support the further funding of the twelve-month extension period. The contracting officer, as certified below, has determined that the anticipated cost to the Government will be fair and reasonable based on the independent government estimate submitted for the extension and existing and projected task orders. Since this is a cost plus fixed fee contract, funding will be provided for each individual task order, and the Contracting Officer will evaluate the cost proposal at that time to determine fair and reasonableness of the cost estimate and associated fixed fee in accordance with FAR Part 15.404. Cost evaluation techniques will be used. Pre-negotiation objectives will be prepared prior to the initiation of negotiations for each task order during the extension period; these objectives will be approved in accordance with FAR Part 15.406 prior to the conduct of negotiations. Cost control efforts under the existing contract have been acceptable, and they are expected to continue.

G. Description of the market research conducted and the results or a statement of the reason market research was not conducted. [FAR 6.303-2(b)(8)]

Market research was conducted by issuing a synopsis for the extension action associated with the REMS contract was posted in NAIS and FedBizOpps as stated in paragraph E. above. The Contract Specialist received no capability statements in response to the synopsis.

H. Any other facts supporting the use of other than full and open competition. [FAR 6.303-2(b)(9)]

The contractor's task performance on the current contract — in terms of safety, milestones, scheduled metrics, and deliverables — is well organized, prioritized, and completed on time and within budget. Past performance has consistently ranged from very good to excellent.

I. Listing of the sources, if any, that expressed, in writing, an interest in the acquisition. [FAR 6.303-2(b)(10)]

As set forth in paragraph E, a synopsis was posted on the NAIS and the FedBizOpps portal, notifying potential offerors of NASA's intent to extend the subject contract. No sources expressed an interest in providing the services required by this extension.

J. 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. [FAR 6.303-2(b)(11)]

The follow-on procurement will not be a sole-source and will be competed. The DRFP was posted to both the NAIS and the FedBizOpps and, consistent with policy, has been set-aside for a small business competition.

For the foregoing reasons, MTI is the only responsible source to support the requirement for essential rotary wing aircraft-related services at ARC through 3 April 2013.

Signature Page

Requirement Initiator:
Dr. William Warmbrodt
Contracting Officer's Representative

I certify that the facts presented in this justification are accurate and complete.

W. W. Warmbrodt — Signature
3/15/12 — Date

Contracting Officer:
Michael J. Hutnik

I hereby determine that the anticipated cost to the Government will be fair and reasonable and certify that this justification is accurate and complete to the best of my knowledge and belief. [FAR 6.303-2(a)(12)]

Michael J. Hutnik III — Signature
15 March 2012 — Date

CONCURRENCE:

for **Procurement Officer:**
Kelly G. Kaplan

Hudson — Signature
3/28/12 — Date

APPROVAL

Deputy Director
Lewis S G Braxton III

Lewis S.G. Braxton III — Signature
3/30/2012 — Date

cc (after approval):
JAB/241-1