

**JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION (JOFOC)**  
**(In accordance with Federal Acquisition Regulation (FAR) 6.3 – Other than Full and Open Competition)**

**1. This document is a justification for other than full and open competition prepared by NASA's Goddard Space Flight Center (GSFC):**

GSFC proposes to issue a 16.5-month extension modification to Contract NNG08CA01C with Analex Corporation for the continuation of Environmental Testing and Integration Services (ETIS). The ETIS contract is a cost-plus-award-fee (CPAF) Indefinite Delivery Indefinite Quantity (IDIQ) contract this is set to expire on May 14, 2013. This document justifies the determination for using other than full and open competition to issue a 16.5-month extension modification for the continuation of uninterrupted environmental testing and integration services.

**2. The nature and/or description of the action being approved:**

A 5-year CPAF, IDIQ contract was awarded to Analex Corporation on April 29, 2008, with an effective date of May 15, 2008. GSFC's ETIS services are currently provided for under this contract through May 14, 2013. The extension is needed to avoid a break in mission critical services to projects such as: the James Webb Space Telescope (JWST), the Magnetospheric Multiscale (MMS), and the Global Precipitation Measurement (GPM). To avoid disruption to the current services being provided, GSFC proposes to issue a 16.5-month extension modification, until the competitive follow-on procurement is awarded.

The current contract resulted from a full and open competition. The services under the contract will end on May 14, 2013. A 16.5-month contract modification is required to avoid interruption of services and unacceptable schedule delays. The current schedule projects contract award on August 1, 2014, and completion of a 60-day phase-in on September 29, 2014. Based on this schedule, it is in the Government's best interest to continue its current services with Analex Corporation under a CPAF IDIQ contract as described above.

**3. Description of the supplies or services required, including an estimated value:**

The current Analex contract supports GSFC's Applied Engineering and Technology Directorate by providing engineering and technician test and integration support services for the study, design, development, fabrication, integration, testing, verification, and operations of space flight and ground system hardware and software, and operations of facilities supporting the development of spaceflight hardware.

The estimated value of the 16.5 month contract modification is \$70.5M. Additionally, a 15 percent contingency, approximately \$10.6M, is being requested to account for any unforeseen work that could arise during the effective ordering period. The total increase to the maximum ordering value for this contract modification with the 15% contingency is \$81.1M.

**4. Statutory authority permitting other than full and open competition:**

The statutory authority for this JOFOC is 10 U.S.C. 2304(c)(1), only one responsible source.

**5. A demonstration that the proposed contractor's unique qualifications or the nature of the acquisition requires use of the authority cited:**

To fulfill the GSFC mission to serve as a national resource for discovery in Earth Science, Space Science, and Technology Development, NASA maintains the on-site capability to function as a full spectrum end-to-end research and development laboratory. Scientific missions can be carried out from concept through design, manufacture, test, and operations. GSFC is committed through its strategic institutional goals to maintaining and upgrading GSFC's core infrastructure, laboratory facilities, and equipment to preserve the Center's preeminence as a national resource and Center of Excellence.

The GSFC Environmental Test and Integration facilities provide environmental test, flight hardware build-up, and integration capabilities that ensure spacecraft and flight experiments will withstand the rigors of launch and will operate properly in the space environment. This capability requires extremely specialized engineering and technical services and expertise, along with intimate knowledge of the flight hardware integration and qualification processes. The completion of these contract requirements is essential for mission critical support and cannot be delayed or compromised.

Historically, it takes up to 90 days to train the new staff in these highly specialized services. The cost is estimated to be \$1.8M dollars for 90 days to train and transition the new staff. This amount is not anticipated to be recovered by NASA as a new contract is being competed.

Currently, there are three major flight programs under development in the Integration and Testing complex. They are the JWST, the MMS, and the GPM mission.

Below is a snapshot of some of the missions that would be impacted within the next few months if there was a break in service or if adequately skilled employees were not available to conduct the work.

<b>Project/Test Item</b>	<b>Start of Test</b>	<b>Completion of Test</b>
JWST/Cryo Vac 1 Teardown	9/7/13	9/29/13
JWST/Cryo Vac 1 Post Cert	9/29/13	10/3/13
ATLAS/TCS Electronics Radiator	10/21/13	11/25/13
JWST/OSIM Cryo-Cal 2	3/4/13	5/2/13
MMS/Mag Boom Flight #4	5/13/13	5/22/13

A delay in the environmental testing schedule will result in ripple effects throughout NASA's JWST, MMS, and GPM programs, which will not only increase mission costs on these programs, but result in unacceptable delays to these programs as well.

Authority to proceed with the proposed CPAF IDIQ extension modification would provide a continuity of support unavailable on the open market without a significant and expensive learning curve. Exposing the Center to a transition activity twice in such a relatively short period of time is not efficient or cost effective.

**6. Description of the efforts made to ensure that offers are solicited from as many potential sources as practicable, including whether a notice was or will be publicized as required by Federal Acquisition Regulation (FAR) 5.2:**

On February 4, 2013, NASA's intent to continue ETIS, with Analex Corporation for a period not to exceed 16.5-months, was synopsised on NASA's Acquisition Internet Services (NAIS).

**7. A determination by the contracting officer that the anticipated cost to the Government will be fair and reasonable:**

By signature of this document, the Contracting Officer determines that the anticipated cost to the Government will be fair and reasonable. Analex will be required to submit a proposal to be evaluated and negotiated by the Government. The proposal will contain sufficient information to determine reasonableness of the price.

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

No formal market research was conducted for this extension, however, as stated above, a sole-source synopsis was released on February 4, 2013, allowing other companies to express an interest and submit capability statements.

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

Conducting a competitive procurement for the continuation of these services would seriously impact current ongoing ETIS activities and services provided. Additionally, award to any other source for this interim period would delay GSFC's vital mission. The services provided under the ETIS contract are essential for GSFC to meet its goals and objectives and directly affects mission success.

**10. Sources, if any, that expressed an interest, in writing, in the acquisition:**

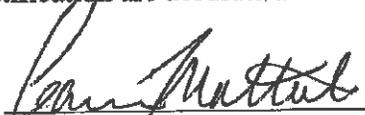
This requirement was synopsised and posted on the NAIS on February 4, 2013. To date, no companies have responded to the synopsis.

**11. The actions the Agency may take to remove or overcome any barriers to competition before any subsequent acquisition for the supplies or services required:**

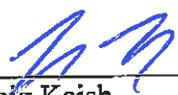
There are no barriers to overcome for competition before any subsequent acquisition of these services. The follow-on contract will be competitive and the current anticipated award date is August 1, 2014.

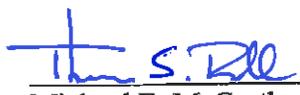
**JOFOC Signature Page for Environmental Testing and Integration Services**

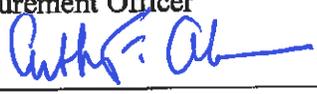
Technical Officer: I certify that the supporting data presented in this justification are accurate and complete.

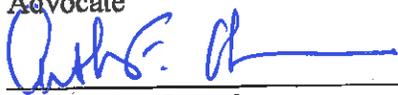
 1/31/13  
Carmine Mattiello Date  
Branch Head Code 549

Contracting Officer: 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.

 1/31/13  
Craig Keish Date  
Contracting Officer

CONCURRENCE:  3/4/13  
Michael E. McGrath Date  
Procurement Officer

CONCURRENCE:  3/8/13  
Arthur F. Obenschain Date  
Center Competition Advocate

CONCURRENCE:  3/8/13  
Christopher J. Scolese Date  
Director