

**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 (NASA's GSFC):**

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

This justification provides the rationale for contracting by other than full and open competition for the acquisition of software maintenance of the Cadence Design Systems, Inc. electrical engineering design toolset.

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

This is a renewal of software maintenance for existing licenses for a period of 12 months valued at \$177,831.00. This includes maintenance for the following products: Verilog–XL Simulator, Cadence NC-Verilog Simulator, Incisive Unified Simulator, Virtuoso Spectre Simulator, Virtuoso Schematic Editor, Virtuoso Analog Design Environment, Virtuoso Layout Suite, Diva Design Rule Checker, Diva Layout Vs. Schematic Verifier, and Diva Parasitic Extractor. The vendor stated above is the only source of license renewal for this product.

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

Federal Acquisition Regulations (FAR) 6.302-1, Only One Responsible Source contains the statutory authority for this procurement.

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

The software was purchased from Cadence Design Systems, Inc., who is the manufacturer. Cadence is the only vendor who provides maintenance for their software.

**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:**

Cadence has stated there are no third party vendors who can provide maintenance for their products.

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

The proposed costs are fair and reasonable because the costs were found fair and reasonable on last year's maintenance PO# NNG14LK10P which is only \$7,071.00 less than this year. In addition, Cadence is the only vendor who can provide maintenance for their software.

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

An internet search was conducted with regard to the products specified. The source specified was the only vendor available to provide these products.

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

The Cadence tool suite is used to design mixed-signal ASICs in support of several NASA/GSFC programs, including ATLAS MEB, ATLAS PDU, and MMS, among others. Delays in development of these time-critical projects could extend their schedules beyond their current fiscal year funding dates, and hence reduce designers' abilities to produce the expected product, or cancel the projects completely. The total estimated cost of this effort is \$177,831 and the period of performance is 12 months.

This software is proprietary and the vendor does not employ any distributors for its product line. The source quoted is the only source available to fulfill this procurement request.

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

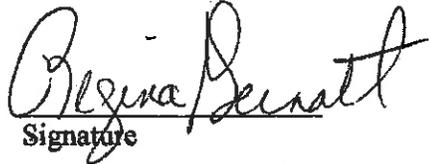
I received an email from Bob Schetlick from Synopsys, Inc. on January 16, 2015 asking who the end users were. He said that the synopsis was correct in stating that Cadence was the only provider of the maintenance services explicitly requested but that his company provided equivalent tools that could result in a savings to NASA. I explained to him that if he had questions about the synopsis or whether or not his product was comparable that he could ask me and I would reach out to the end users for him. I also explained that it was my understanding that acquiring new software from a different vendor would cost the government extra time and money as we are already using Cadence's products. That being said, I would still forward any questions/concerns he had to the end user. The vendor had a few weeks to respond to my request and he did not. Therefore I took his unresponsiveness as a sign that he was not interested in working with NASA and/or able to meet our minimum requirements.

**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 in this instance as Cadence was the only vendor who can provide maintenance for their software. If the need arises for a new software in the future, the Government will evaluate the feasibility of competing the new requirement among qualified vendors.

**JOFOC Signature Page for Cadence Software Maintenance, NNG15LK19P**

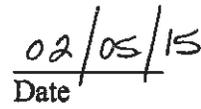
TECHNICAL DIRECTORATE: I certify that the facts presented in this justification are accurate and complete.

  
Signature

  
Date

CONTRACTING OFFICER:  
(APPROVAL) I certify that this justification is accurate and complete to the best of my knowledge and belief.

  
Signature

  
Date