

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN C. STENNIS SPACE CENTER
STENNIS SPACE CENTER, MS 39529-5000**

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION

1.0 AGENCY/CONTRACTING ACTIVITY

National Aeronautics and Space Administration, John C. Stennis Space Center, Office of Procurement, Stennis Space Center, MS 39529

2.0 DESCRIPTION OF THE ACTION BEING APPROVED

The action to be approved is for the sole source procurement of thrust measurement components for the A1 Thrust Measurement System (TMS) from Force Measurement Systems (FMS). This is considered a commercial requirement, under the special provisions of FAR 13.5, Test Program for Certain Commercial Items. This requirement will be awarded under a Firm Fixed Price (FFP) contract with an estimated period of performance or lead-time for delivery of twenty eight (28) weeks from contract award.

3.0 DESCRIPTION

The work to be performed under this requirement shall consist of manufacturing and delivery of flexures, load cells, and hydraulic actuators which will integrate with A1 TMS. The total estimated cost of this effort is

4.0 STATUTORY AUTHORITY

The Justification for Other Than Full and Open Competition is made pursuant to FAR 6.302-1 which implements 10 U.S.C. 2304(c)(1) for acquisition of supplies or services that are available from only one responsible source, and no other type of supplies or services will satisfy agency requirements.

5.0 NATURE OF THE ACTION THAT REQUIRES USE OF THE AUTHORITY CITED

A1 TMS was originally procured for the J2X Engine Project. The TMS was designed to support the load requirements for the J2X Engine Project; however, structural components were fabricated to support additional loads in the event a future program required a TMS with higher thrust load measurement capability. The structural upgrade was done to preclude the unnecessary expense of an additional TMS and associated installation cost. This requirement will modify the A1 TMS to allow for a higher load measurement capability by changing out specific load measurement components. These components, which include load cells, flexures and hydraulic actuators, must be compatible in all aspects with existing TMS. The structural components of the TMS were fabricated to connect with FMS unique load measurement components; no other load measurement components meet the form, fit and function requirements of the existing TMS. This procurement is required to support the certification process for the Space Launch System (SLS) RS-25 Engine Project.

6.0 SOLICITATION EFFORTS

A synopsis advertising the Government's intent to issue this requirement on a sole source basis and requesting capabilities of potential sources was published on the NASA Acquisition Internet Service (NAIS) and the Government wide point of entry (GPE) (FedBizOpps) on August 8, 2013. No inquiries were received as of the response due date of August 26, 2013; therefore, a sole-source procurement is determined as still necessary.

7.0 COST CERTIFICATION

The techniques identified at FAR 13.5 and FAR 15.404-1(b) will be used to ensure award will be at fair and reasonable prices. The Independent Government Estimate (IGE), published catalog prices, and comparison to previous contracts will primarily be used as an analysis of the contractor's proposed cost. Additionally, if required, the techniques identified at FAR 15.404-1(c) (2) (iii) will be used to further ensure award will be at fair and reasonable prices.

8.0 MARKET SURVEY

Market research was conducted prior to posting of the synopsis on August 8, 2013. Market research indicated that no other source is capable of providing the required components. TMS manufacturing is an extremely narrow industry. Based on an internet business survey and fifteen years of previous SSC TMS procurements, FMS is the only business capable of providing components that interface with existing TMS.

9.0 OTHER SUPPORTING FACTS

None

10.0 SOURCES EXPRESSING AN INTEREST IN THIS PROCUREMENT

No other vendor capable of fulfilling this requirement has expressed an interest in this acquisition.

11.0 AGENCY ACTIONS TO REMOVE BARRIERS

Stennis Space Center Engineering and Test Directorate will continue to review changing market conditions to ensure all potential offers are afforded an equal opportunity to provide subject requirement and will perform market research as applicable to satisfy the Competition in Contracting Act. Design attributes will be incorporated in future TMS component requirements that will enhance competition and provide opportunities for multiple vendors.

12.0 TECHNICAL REPRESENTATIVE CERTIFICATION

I do hereby certify that the support data under my cognizance that are included in this justification are accurate and complete to the best of my knowledge and belief. In addition, I certify that the anticipated price to the Government will be thoroughly evaluated to ensure that it is fair and reasonable prior to award.

13.0 APPROVE/DISAPPROVE:

I hereby accept the above stated recommendation and determine that the circumstances of the contract action deem only one source reasonably available. I further certify that the anticipated costs to the Government will be determined fair and reasonable prior to award.

Pursuant to NFS 1805.207 and 1804.570, this proposed action has been published on the NASA Acquisition Internet Service (NAIS) and, pursuant to FAR 5.201, synopsisized in the Government wide point of entry (GPE) (FedBizOpps). No inquiries were received as of the response due date of August 26, 2013; therefore, a sole source procurement is determined to be necessary based on the reasons expressed herein.