

**JUSTIFICATION FOR SOLE SOURCE ACQUISITION
VALUES \$3,001 - \$100,000**

**RECOMMENDATION AND DETERMINATION TO SOLICIT FROM ONE
SOURCE – PR 4200 _____**

NASA, John F. Kennedy Space Center, will negotiate with Aberdeen Systems, Inc. for Telemetry Baseband Processors & Telemetry Storage Subsystem. The total estimated cost of this effort is \$_____ and the estimated turnaround time is 10 – 12 weeks ARO.

Pursuant to FAR 13.106-1(b) and 13.106-3(b)(3)(i), the acquisition of referenced _____ are determined to be available from only one source.

Competition is impractical for the following reasons:

The Radio Frequency and Telemetry Station (RFTS) is used for the test, checkout, and monitoring of flight systems during ground processing. Currently, the RFTS utilizes Aberdeen Systems equipment for its test, checkout and monitoring processing today. Competition is impractical for the following reasons:

- 1) Compatibility with existing equipment. The configuration, operation, and maintenance of this equipment allows for a consistent operation of this equipment in the RFTS. Changing this equipment would require additional overhead in the areas identified above.
- 2) This equipment is required to be under configuration management. Adding another vendors system would incur additional engineering effort to document these systems.
- 3) Personnel are already trained in the configuration, operation, and maintenance of this equipment. Another vendor's equipment would require further training of the personnel to use and maintain.
- 4) Engineering has extensive prior background in the development, configuration and programming of these systems. Some of which took over a year to develop. A new system would require additional time and training for engineering to begin to utilize a different system just to achieve where we are today with the existing system.
- 5) Significant effort was performed prior to acquiring the existing systems. Technical specification, evaluation, and testing were performed prior to acquiring the existing system. The system was then prototyped using this and found to meet the requirements.

Description of the market survey conducted and the results, or a statement of the reasons a market survey was not conducted:

A market survey was not conducted due to the work that had been done prior to acquiring the existing Aberdeen Systems which were used for prototyping and initial deployment

(technical specifications created and prototype evaluation completed). It was anticipated that utilizing these systems, would continue going forward and that we would obtain additional systems from this vendor as budget allowed and detail requirements materialized.

Based upon the above, I hereby determine that the circumstances of the contract action deem only one source reasonably available for this acquisition. I certify that the supporting data presented in this justification are accurate and complete.



(name), Technical Officer
Anthony J Cella

7-13-2012
Date

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



Contracting Officer

7/13/12
Date

BRAND NAME JUSTIFICATION FOR RESTRICTED COMPETITION

Item: NASA/Radio Frequency & Telemetry Station Baseband Processors and Storage Subsystem

Price:

Brand Name: Aberdeen Systems, Inc.

A Brand-Name only restriction is required for the purchase of Telemetry Processors and a Storage Server for the Kennedy Space Center Radio Frequency and Telemetry Station (RFTS). The RFTS utilizes these systems in supporting test, checkout and monitoring of vehicle Radio Frequency (RF) ground processing systems in the Launch Control Center.

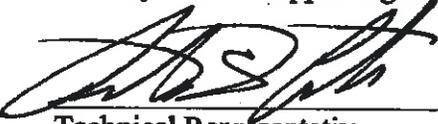
Brand-name uniformity is essential to ensure that the new hardware is physically and electrically compatible with existing hardware. Use of different equipment will increase costs for training, configuration, repair, and O&M capability.

The Telemetry Processors and Storage Server work together and the new units must be 100% compatible with the existing systems and KSC developed software applications currently in use. Any system not compatible with the equipment already installed would require the purchase of duplicate equipment and quite possibly additional significant software development. This would require additional rack space for duplicate equipment in already tight areas, additional installation costs, the rewriting of training manuals and additional cost for spares.

As a part of our on-going market research, we routinely coordinate with various vendors to test equipment items for compatibility with our existing system. Thus far, we have been unable to find compatible items for the items to be purchased in this instance.

Based on the information above, the Aberdeen Systems, Inc. equipment is the only equipment that we believe can meet mission requirements.

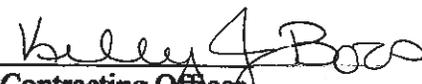
I certify that the supporting data presented in this justification are accurate and complete.



Technical Representative
Anthony J Costa

7-13-2012
Date

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



Contracting Officer

7/13/12
Date