

JUSTIFICATION FOR SOLE SOURCE ACQUISITION  
VALUES \$3,001 - \$100,000  
RECOMMENDATION AND DETERMINATION TO SOLICIT FROM ONE  
SOURCE – PR 4200439172

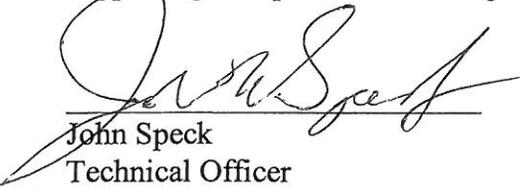
NASA, John F. Kennedy Space Center, will negotiate with Northrop Grumman for LN-200 Inertial Measurement Unit (IMU). The total estimated cost of this effort is [REDACTED] and the estimated turnaround time is 6 – 8 weeks ARO.

Pursuant to FAR 13.106-1(b) and 13.106-3(b)(3)(i), the acquisition of referenced Inertial Measurement Unit are determined to be available from only one source. Competition is impractical for the following reasons:

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

The purpose of the LN-200 IMU will be for accurate modeling and simulation of existing launch vehicle avionics suites. Currently multiple Launch Service Program (LSP) providers use the LN-200 IMU as part of the launch vehicle avionics suite for actual flight application. Using the same commercially available components as the launch vehicle provider will enable a more accurate replication and simulation modeling of the avionics suite used on the actual launch vehicle. The LN-200 IMU provides the same Fiber Optic Gyros (FOG) and Micro-electronic Mechanical System (MEMS) accelerometers bring used by the actual launch providers. This component enables the simulation models to have the same interfaces, performance, and accuracy as the real flight hardware used by the launch vehicle providers. The LN-200 meets the requirement of matching existing launch provider interfaces.

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.

  
\_\_\_\_\_  
John Speck  
Technical Officer

7-23-12  
Date

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

  
\_\_\_\_\_  
Allen Miller  
Contracting Officer

7/23/12  
Date