

Sole Source Justification
PR4200438309
Newport Corporation
Spectrometer System

NASA, Kennedy Space Center, will negotiate with Newport corporation for spectrometer components needed to develop UV and mid-IR calibration systems. [REDACTED]

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

The KSC Applied Physics lab has developed a spectrometer system from the ultraviolet to the far-IR to characterize the emission from the standard Kennedy Space Center hydrogen fire. This previously developed system used Newport Corporation components and gratings. Custom software was written for control of the Newport Cornerstone 260 Monochrometer which is an integral component to the spectrometer system. The current purchase of monochrometer/spectrometer components is intended to exactly duplicate the configuration of the system that we have already developed. The newly developed systems will be used for calibration of fire simulators in order to verify that their emission is similar to that of the standard hydrogen fire as previously determined with our current laboratory system. The Applied Physics Lab has invested considerable time, cost and expense in assembling the opto-mechanical components, developing custom software, and determining the optical transmission of the Newport systems. It is important to retain the configuration of the systems that we develop for calibration traceability and there for it is necessary that we duplicate the system based on Newport components previously used.

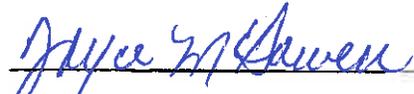
Based upon the above, I hereby determine that the circumstances of the contract action deem only one source reasonably available for this acquisition. I hereby certify that this statement is accurate and complete to the best of my knowledge and belief.


Ellen E. Arens
KSC Applied Physics Laboratory
NE-L5

ROBERT C. YOUNG
for
ELLEN E. ARENS

Date 7/23/12

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


Contracting Officer

Date 7/24/12