

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
JOHNSON SPACE CENTER

RECOMMENDATION AND DETERMINATION TO SOLICIT FROM ONE SOURCE

This justification provides the rationale for contracting by other than full and open competition from Polytec only for High-speed (20 m/s), upgradeable single-point laser Doppler vibrometer system and Heavy duty tripod with geared head. The total estimated cost of the effort is \$153,684 and the estimated period of performance or lead time for delivery is 12-16 weeks.

This recommendation is made pursuant to FAR 13.106 for the acquisition of supplies or services determined to be reasonably available from only one source. Competition is impractical for the following reasons:

The laser vibrometer is to be used for state of the art pyroshock testing. Polytec, Inc is the only supplier of the required equipment that has the dynamic response necessary to perform these measurements. Market research was completed and it was determined that by purchasing hardware from any other source would cause the Government to incur duplicate costs and schedule impacts due to development issues with other suppliers equipment. In addition, existing Polytec, Inc laser vibrometers were purchased via sole source under contract NNJ12HD92P, contract NNJ13HE31P, and contract NNJ15HC16P. Purchasing this exact same system will eliminate the need to provide new training to existing personnel on a new system and will streamline test set-up and execution which will result in cost and schedule savings to the Government.

The agency will attempt to overcome barriers to competition by continual analysis of alternate products as they come available.

The cost of this procurement is considered to be fair and reasonable based on the previous purchase of a similar system on contract NNJ12HD92P, awarded August 27, 2012. The system purchased on contract NNJ13HE31P, awarded August 21, 2013. The system purchased on contract NNJ15HC16P, awarded February 19, 2015. The cost of the systems is reasonable and fair given the highly specialized design of the system.