

SOLE SOURCE JUSTIFICATION

PR XXXXXXXX 4200458036

JENTEK Sensor, Inc.

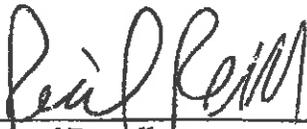
**Health Monitoring of Composite Overwrapped Pressure Vessels
Nondestructive Evaluation Technique Investigation**

NASA, Kennedy Space Center, will negotiate with JENTEK Sensors, Inc. for support services to design and demonstrate the ability of Magnetic Stress Gages (MSG) for the measurement of stresses on the inner diameter of a COPV overwrap, correlating with other NDE technologies such as acoustic emission (AE).. [REDACTED] and the period of performance for delivery is from November 30, 2012 through October 1, 2013.

Pursuant to FAR Part 8.4 under the authority of Title III of the Federal Property and Administrative Service Act of 1949 (41USC251, et seq.) and Title 40 U.S.C. 501, Service for Executive Agencies the acquisition of referenced services is determined to be available from only one source. Competition is impractical for the following reasons:

JENTEK Sensors, Inc. has extensive experience and a unique capabilities which utilizes patented technology to design and develop eddy current sensors which function as Magnetic Stress Gages (MSG), as required for this program. The subject sensors are also compatible with monitoring equipment and sensors already purchased by NASA, will be used in the implementation stages of this project. JENTEK Sensors has been utilized for previous work under contract NNK10EA65P which performed a proof-of-concept study for Eddy Current Sensors for COPV Health Monitoring. It is due to these unique capabilities and experience that NASA will be negotiating with JENTEK Sensors, Inc. for this effort.

In summary, there is no known vendor that has the unique capabilities, expertise and experience that JENTEK Sensors, Inc. possesses in the field of the design and development of eddy current sensors for use at Magnetic Stress Gages. Therefore, it is in the best interest of NASA to use their service for their unique expertise of the subject because it may save time and cost that another vendor may endure for a learning curve.



Richard Russell
KSC Materials and Processes Engineering
NE-L4

11/7/12
Date

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


Contracting Officer

11/27/12
Date