

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN C. STENNIS SPACE CENTER**

**RECOMMENDATION AND DETERMINATION TO SOLICIT FOR BRAND
NAME FOR AGILENT PSG ANALOG SIGNAL GENERATOR AND
COMPONENTS**

I recommend that NASA, Stennis Space Center (SSC) solicit laboratory equipment for the brand name of Agilent PSG Analog Signal Generator and components.

E8527D-Agilent PSG Analog Signal Generator Standard adapter 3.5mm F to 3.5mm F
E8257D-1E1 Step Attenuator,
E8257D-1EU High Output Power
E8257D-1EU High output power
E8257D-520 Frequency range from 250 kHz to 20 GHz
E8257D-007 Analog Ramp Sweep
E8257D-1EH Improved harmonics below 2 GHz
E8257D-UNT AM, FM, phase modulation, and LF output

This requirement is considered to be a commercial item. It is anticipated that this requirement will be provided under a fixed price purchase order. The estimated period of performance or lead-time for delivery is 10 weeks after receipt of order.

This recommendation is made pursuant to FAR 13.106-1(b), for the acquisition of supplies or services determined to be reasonably available from only one source (e.g. brand name).

The Measurement Standards and Calibration Laboratory (MS&CL) is an in-house NASA calibration laboratory that performs routine calibration and repair of electrical and mechanical test equipment using the latest state of the art technologies available. In order to accomplish our mission of supporting NASA's calibration needs, various test equipment must be utilized to help characterize components in the system under test. There is currently a need for a high quality RF signal generator that can be used for analog to digital converter testing as well as high quality signal source for various systems requiring an extremely low noise signal such as Signal Generators and RF Power Meters. Market research was conducted to identify potential suppliers for signal generator components. Two respondents, one from one large and one small business indicated their ability to provide the Agilent E8257D PSG signal generator components. It is known that the Agilent E8257D PSG signal generator components meet both the required performance specifications and the compatibility with customized in-house calibration software currently used here at NASA SSC. Use of other signal generator components would require additional testing, which could be costly, to determine the possibility of compatibility with the existing customized in-house calibration software.

The PSG Analog Signal Generator and components are manufactured by Agilent Technologies and is available directly from Agilent Technologies and other vendors. Additional market research revealed that other vendors can supply the same item.

Therefore, it has been determined that a brand name and not a sole source justification could satisfy this requirement for the Agilent PSG Analog Signal Generator components.

The statutory authority permitting other than full and open competition is FAR 6.302-1 and 10 U.S.C. 2304 (c)(1), as there is only one brand item and no other supplies or services will satisfy agency requirements. The use of such description in the acquisition is essential to the Government's requirement, thereby, precluding consideration of a product manufactured by another company.

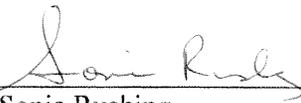
Pursuant to NFS 1805.207 and 1804.570, and FAR 5.201, a brand name synopsis will be published on the NASA Acquisition Internet Service (NAIS) and the Government wide point of entry (GPE) (FedBizOpps) expressing our intent to issue a contract for this requirement. This will be a combined synopsis/solicitation pursuant to FAR 12.603. All responses received will be addressed.

I certify that the anticipated price to the Government will be thoroughly evaluated to ensure that it is fair and reasonable prior to award. In addition, I do hereby certify that the support data under my cognizance that are included in this justification are accurate and complete to the best of my knowledge and belief.



Bruce Farner *CoTR*
(Insert Title)

11/4/10
Date



Sonia Rushing
Contract Specialist

11/4/10
Date

APPROVE/DISAPPROVE:

I hereby accept the above stated recommendation and determine that the circumstances of the contract action deem only brand reasonably available and certify that the anticipated costs to the Government will be determined fair and reasonable prior to award. This certification is supported by the RFI posted in GSA website on October 14, 2010 and the responses from industry.



Robert S. Harris
Contracting Officer

11/5/10
Date