

NONCOMPETITIVE PROCUREMENT JUSTIFICATION
(Simplified Acquisition Procedures (SAPs) Micropurchase Threshold to \$150K)

The service or product(s) listed on requisition(s) below is/are precluded from competition for reasons indicated below.

SGXR132860

There are no suitable substitutes available.

Restricted to the following source. Provide original manufacturer's name. (If a sole source manufacturer distributes via dealers, ALSO provide dealer information.)

Manufacturer: Polarity, Inc "OEM SOLE SOURCE"

Manufacturer's Dealer/Rep:

Description of the product or services required, the estimated cost, and required delivery date (products) or Period of Performance (services). This request is to procure Qty (6) A10493 Tetrode Grid Drivers. The total estimated cost of this procurement is [REDACTED] with a required delivery date of 11/15/2013.

Specific characteristics of the material or service that limit the availability to a sole source (unique features; function of the item; unique capabilities; facilities or special equipment; etc.). Describe in detail **why** only this suggested source can furnish the requirements to the exclusion of other sources. These specific high voltage tetrode grid drivers are used and are currently installed in Aegis Microwave Tube Test Sets and Production Ager at NAVSEA Crane, and L3 Williamsport, and CPI Beverly according to [REDACTED]. These tetrode grid drivers are used in production, aging and conditioning of AEGIS CFA's. This procurement is for sparing of the installed units and additionally for replacement of now spent/used units used in the past for sourcing/switching the CFA on. The product must work with existing NSWC Crane developed test set and Ager stations software programs used to test AEGIS CFA's. Selection of another manufacturer's product would require the Government to re-write the software, make hardware modifications, perform correlation testing to qualify a different product. Also The Aegis Microwave Tube Test Sets have been certified by In Service Engineering Agency (ISEA) as a whole, therefore deviation of any part would require re-certification. In addition, to make an additional ECP (engineering change proposal) to acceptance test equipment, would require contract modification and incur further cost to the government and delay the delivery of government assets to the fleet. The Government would incur a minimum of [REDACTED] to qualify a different product and delay the ability to field the units by at least 6 months.

For non-personal services indicate the highly technical or specialized expertise required. Describe the contractor's workforce, methods, materials or unique management or operating systems. If it is unique because of knowledge of key individuals, what is the basis of the knowledge that another firm could not obtain the same or equivalent expertise? Could another firm obtain the necessary highly specialized experience or technical capability in time to perform the requirement?

The required product(s) or service(s) represent(s) the minimum requirements of the Government and no other product(s) or service(s) can satisfy the need.

FILL IN ALL APPLICABLE BLANKS BELOW

The product(s) must be compatible in all aspects (form, fit, and function) with existing systems presently installed. Describe the equipment you have **now** and **how** the new item/service must coordinate, connect, or interface with the existing system. These Grid tetrode drivers are currently installed in Aegis Microwave Tube Test Sets at NSWC Crane. In addition, Crane supplies the grid drivers as GFE to CPI Beverly, and L3 Williamsport for use in testing AEGIS microwave tubes. The drivers are controlled by AEGIS Microwave Tube Test Sets with NSWC Crane developed software programs. These parts are source specific in accordance with [REDACTED]. This procurement is for sparing of the installed units and replacement of obsolete custom unit.

Patent rights, copyrights, trade secrets, technical data, secret processes, or other propriety data essential for contract performance limits competition. The proprietary data is:

These are "direct replacements" parts/components for existing equipment. This procurement is for sparing of the installed units and replacement of obsolete test gear.

Other information to support a sole-source buy:

1) All electrical and physical characteristics of the tetrodes have been accounted for in the design of the Aegis ager stations and have been certified for test by the Aegis Microwave Tube ISEA.

2) Although other high grid tetrode drivers might provide the function of the A10493 they would not operate with our existing test software programs. The test software would have to be re-written to work with a different tetrode characteristic. The new hardware would have to be integrated into the test sets. Correlation testing would have to be performed to validate the performance of the new tetrode in the test sets and agers. Additionally ECP's and contract modifications would have to occur in order to comply with current contracts for MWT deliveries that would incur additional cost to the government and delays to the fleet support as well as new Ship/AEGIS ashore schedules

The MINIMUM additional cost for selecting a different power supply is several thousands of dollars and is detailed below:

Software Driver Development and Test Software Modifications [REDACTED]
Hardware Integration into CFA, Test Sets, Agers [REDACTED]
Debug on CFA Test Sets [REDACTED]
Correlation Testing on, CFA Test Sets [REDACTED]
Data Analysis and Correlation Report Generation [REDACTED]
Engineering Change Proposal (ECP) Generation/Review/Approval [REDACTED]

If a different tetrode grid driver were selected, the accomplishment of the above tasks would delay the ability to field the units by at least 6 months.

I CERTIFY THAT STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE, ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE-SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.

Signature [REDACTED] Code [REDACTED]
Title [REDACTED] Date [REDACTED]

Based on review of the above statements and information, I concur with this procurement on a noncompetitive basis.
Contracting Officer Signature

HELTON.REBECCA
A.L.1279849929

Digitally signed by
HELTON.REBECCA.L.1279849929
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=USN, cn=HELTON.REBECCA.L.1279849929
Date: 2013.07.02 12:26:55 -04'00'