

LIMITED SOURCE JUSTIFICATION FOR FSS ORDER (\$3,000 to SAT)

1. The service or material listed on *N0016116RC16727* is a limited source action to be awarded as a new Federal Supply Schedule order and/or modification of an existing order to the **small business** identified in paragraph (2) below. The placement of a *firm, fixed price order* is anticipated.

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

Manufacturer: Tektronix

FSS nr: GS-24F-0066M

Manufacturer POC & phone nr. Charlene Estella Lovings, (503)627-2998

Dealer / Rep Charlene Estella Lovings

Dealer FSS nr.: GS-07F-5374P

Dealer / Rep address / phone nr. Tektronix Inc. Po Box 500 Beaverton, OR 97007, (503)627-2998

3. **Identification of the justification rationale.**

This acquisition is conducted under the authority of the Multiple Award Schedule Program (Title 41 U.S.C. 152 (3) and Title 40 U.S.C. 501, Services for Executive Agencies). Authority to limit sources to less than those required by FAR 8.405-1 and 8.405-2 is found at FAR 8.405-6. The justification for limiting sources is only one source is capable of responding due to the unique or specialized nature of the work.

4. **Description of the item or service required, statement that the requested material or service represents the minimum requirements of the government, the estimated cost, and required delivery date or performance period.**

This equipment is used in support of multiple majors courses and is also required to support Trident Scholar, Bowman Scholar and senior design projects. Specifically, this set of equipment are the Tektronix MDO3024 mixed domain oscilloscopes that will replace the expired ones on a 10-year life cycle. These new oscilloscopes are ideally suited for compatibility with current power lab equipment. Estimated cost is \_\_\_\_\_ Required delivery date is 30 Sep 2016.

5. **Specific characteristics of the material or service that limit the availability to this/these source(s) (unique features, function of the item, etc.). Describe in detail why only this/these suggested source(s) can furnish the requirements to the exclusion of other sources. Provide a description of the market research conducted among schedule holders and the results OR a statement of the reason market research was not conducted.**

A significant investment has already been made on equipment of the same brand, make and model for the USNA Electrical and Computer Engineering Department Power Lab. Contract award number of the previous purchase is: Contract number: \_\_\_\_\_ Order Number: \_\_\_\_\_  
These oscilloscopes are unique in that they are "Mixed Domain", meaning that they also function as a spectrum analyzer (which normally is additional stand-alone

equipment). In addition, this equipment package also includes unique "Power Measurement and Analysis" and "Arbitrary Function Generator" modules needed for power system classes, labs, and capstone projects. By purchasing this particular brand of equipment, the Power and Energy Lab will easily maintain configuration control among the most heavily used equipment. We will have the ability to swap out/interchange parts among the set of oscilloscopes we currently use. Also, it is necessary to have faculty, staff, and students become familiar with only one type of oscilloscope used in multiple classes. Market research conducted revealed the MDO-3024 with the best value in terms of functionality, cost, compatibility, and maintenance. Leasing the equipment was also considered, but the cost is greater.

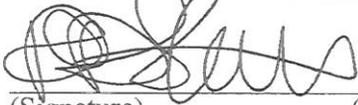
**6. Other information to support a limited source buy:**

The MDO3024 Mixed Domain Oscilloscope is directly compatible in form, fit, and function with all other power lab equipment. USNA power lab already has other oscilloscopes of this type and system connections to support these new oscilloscopes.

**7. TECHNICAL OR REQUIREMENTS CERTIFICATION:**

I CERTIFY THAT THE FACTS AND REPRESENTATIONS UNDER MY COGNIZANCE WHICH ARE INCLUDED IN THIS JUSTIFICATION, WHICH FORM A BASIS FOR THIS JUSTIFICATION, ARE COMPLETE AND ACCURATE.

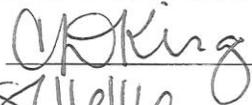
**TECHNICAL COGNIZANCE**

  
(Signature) CDR, USN (Title)                      (Code)                      (Phone) 16 AUG 2016 (Date)

**REQUIREMENTS COGNIZANCE**

N/A  
(Signature) (Title) (Code) (Phone) (Date)

**8. CONTRACTING OFFICER**

Signature   
Date 8/16/16  
FSS Order Limited Source