

JUSTIFICATION FOR SOLE SOURCE or BRAND NAME SPECIFIED

(Simplified Acquisitions <\$150K)

The service or material listed on ^{N0016116} RCZ-0009 is Systems Integrators, LLC and competition is precluded for reasons indicated below. There are no substitutes available for this material or service.

Restricted to the following source (If a sole source manufacturer distributes via dealers, ALSO provide dealer information):

Manufacturer: Systems Integrators, L.L.C.

Manufacturer POC & phone #: Mr. Jeff Paulson 860-712-7353

Mfr. Address: 23639 N. 35th Drive Suite 1 Glendale, AZ 85310

Dealer / Rep / Recommended source: System Integrators, L.L.C

Dealer / Rep / Recommended source address / phone #: 23639 N. 35th Drive Suite 1 Glendale, AZ 85310

____ Description of the item or service required, the estimated cost, and required delivery date.

The rotating bending fatigue testing machine allows the user to select a percentage (%) of the tensile strength of the test material and convert that value into a bending moment. After the specimen is mounted into the machine collets, the speed control is adjusted to bring the machine up to the desired load frequency. A poise weight is then positioned on the calibrated beam to the bending moment previously calculated and locked into place. When the specimen fractures, the machine automatically stops and the number is recorded from the cycle counter up to 10×10^9 cycles. Specimens tested at various loads provide data for plotting a Stress vs. Number of cycles (S/N) curve.

This testing is scheduled to start next semester, JAN15. The quoted cost for 3 machines having corrosion attachments is [REDACTED]. The quoted cost for a single machine with corrosion attachment [REDACTED]. There is a 14 to 16 Week Lead time on the machines.

____ Specific characteristics of the material or service that limit the availability to a sole source / brand name (unique features, function of the item, etc.). Describe in detail why only this suggested source / brand name can furnish the requirements to the exclusion of other sources / brands.

1. To meet test needs of our NAVSEA sponsor's various applications, USNA requires 3 rotating beam test machines having bending moment capacities ranging up to 200 in.-lb and having a corrosion chamber, with a 1/2" collet size. I have found no other vendor offering these capabilities. Also, NSWCCarderock is machining several hundred test samples specifically designed for the RBF-200 test platform. No other company can support this. I have contacted: ADMET, Test Resources, Shimadzu, MTS, Instron, and Zwick. None could provide these capabilities, besides Systems Integrators
2. Our fatigue research collaborators at MIT also use System Integrators equipment. We strongly desire to have our test data and equipment directly compatible and interchangeable, should there be future need to loan or borrow equipment.

CHECK & FILL IN ALL APPLICABLE BLANKS BELOW

The requested material or service represents the minimum requirements of the government.

The material/service must be compatible in all aspects (form, fit and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect, or interface with the existing system.

As stated above, 3 rotating beam test machines having bending moment capacities ranging up to 200 in.-lb and must having a corrosion chamber such that the sample can be immersed in saltwater, with a ½" collet size. I have found no other vendor offering these capabilities. Also, NSWCCarderoch is machining several hundred test samples specifically designed for the RBF-200 test platform. The test samples selected are specific to this machine. I have included sole source explanations from the vendor.

A patent, copyright or proprietary data limits competition. The proprietary data is...

These are "direct replacements" parts/components for existing equipment.

Other information to support a sole source / name brand buy:

See vendor attestation letters from Systems Integrators, LLC

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 / BRAND NAME JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION

