JUSTIFICATION FOR SOLE SOURCE or BRAND NAME SPECIFIED
(Simplified Acquisitions <$150K)

The service or material listed on N0016115RCZ0852 is sole source and competition is precluded for reasons indicated below. There are no substitutes available for this material or service.

Restricted to the following source

Manufacturer: University of Maryland Baltimore County (UMBC)

Manufacturer POC & phone #: Stanley Jackson, 410-455-1336

Mfr. Address: 1000 Hilltop Circle, Baltimore, MD 21250

Dealer / Rep / Recommended source:

Dealer / Rep /Recommended source address / phone #:

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

United States Naval Academy (USNA), Office of Research and Scholarship requires University of Maryland, Baltimore County (Dr. Zhiyuan Chen) support to begin developing and testing algorithms for single node version of Rya, a RDF triple store, as part of USNA's (Prof. Crainiceanu' s research project "Efficient Query Algorithms and Database Scalability." The services will include algorithms design and prototyping, together with software development, performance testing and performance comparison with other approaches. Period of performance is 01 July 2015 through 31 December 2015 [redacted]

__X__ 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.

Dr. Chen is a recognized expert in the area of database research that is necessary for the continued development of research project "Efficient Query Algorithms and Database Scalability." He has intimate knowledge of the scientific and system requirements of the research program, and is uniquely suited to assist the USNA researchers in advancing Rya analysis and prediction.

Dr. Chen has made several significant contributions to this research effort in the area of developing algorithms, semantic base search and efficient query processing and query optimization and is intimately familiar with the USNA analysis requirements; therefore, Dr. Chen's ongoing support for this project is vital to its success.

CHECK & FILL IN ALL APPLICABLE BLANKS BELOW

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

____ 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.

____ A patent, copyright or proprietary data limits competition.

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

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

The continued support of Dr. Chen is necessary to maintain consistency and uniformity in the research analysis and results. Utilizing the services of another contractor would require extensive re-work to Dr. Chen's contributions that have already been made, resulting in a lengthy delay in the completion of the research project.

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.

Signature [redacted] Title [redacted]

Activity [redacted] Date [redacted]

Contracting Officer Signature [redacted]

Date [redacted]

SAP Sole Source /Brand Name