

JUSTIFICATION FOR SOLE SOURCE (Simplified Acquisitions <\$150K)

The service or material listed on <document number> 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.** Provide *original manufacturer's* name. (If a sole source manufacturer distributes via dealers, *ALSO* provide dealer information.)

Manufacturer:  M Squared Lasers, Inc.

Manufacturer POC & phone nr.  Josh Atkinson / 435-232-3693

Mfr. address  1 Broadway, 14<sup>th</sup> Floor, Cambridge Innovation Center   
 Cambridge, MA 02142

Dealer / Rep

Dealer / Rep address / phone nr.

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

Item:  SolsTiS Pump Laser (10W) + Pump Integration Kit (PIK)

Estimated Cost:  [REDACTED]

Required delivery date:  12 weeks

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

This pump laser is manufactured by the same company as our current Ti:Sapphire laser. It integrates seamlessly with our existing laser system. This will allow for higher output powers and more efficient frequency doubling which leads to better performance of our optical clock experiments. Only by using this pump laser can we get the full performance of our existing laser system due to the seamless integration of parts.

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

