JUSTIFICATION FOR SOLE SOURCE
(Simplified Procedures - MPT to ≤ SAT)

Purchase Request/Document number: [redacted]

The supplies or services described herein are being solicited on a sole source basis and competition is precluded in accordance with FAR 12.102(a) for reasons indicated below. There are no substitutes available for the supplies or services.

Restricted to the following source. (Check One)

☐ **Service:**

Contractor:	
Cage Code:	

☒ **Supply:**

Original Manufacturer Name:	Thermo Fisher Scientific
Contractor (if diff from above):	NA
Cage Code:	3WXJ7

Description of the supplies or services required, the estimated price/cost, and required delivery date or period of performance.

The United States Naval Academy (USNA) seeks to procure a new Neutron Generator Tube (A-3045). This will require installation of the tube, conduct training with nucleonics laboratory personnel, and remove and dispose of the old Neutron Generator Tube. The replacement A-3045 tube must contain less than 14 Curies of H-3 (per USNAINST 5104.2B).

CLIN	Unit of Issue	Qty	Model No.	Description	Unit Price	Total Price
0001	Each	1	A-3045	Replacement A-3045 tube, DT	[redacted]	[redacted]
0002	Each	1	NG Svcs	A-711 neutron tube installation and generator operator training. Per-person: [redacted]		
0003	Each	1	Parts & Tools	Freight for tools to site and back, plus return freight for old neutron tube. (Reciprocity included)	[redacted]	[redacted]

Estimated Cost: [redacted]
Required Delivery Date: [redacted]

In conclusion, the requested supplies or services represent the minimum requirements of the government.

Describe in detail why only this source(s) can furnish the requirements to the exclusion of other sources.

United States Naval Academy (USNA) owns and operates a Thermo Fisher Scientific D711 DT Neutron Generator. The Thermo Fisher Scientific D711 is a fixed installation neutron generator that is used for education and research purposes. The current Neutron Generator Tube (A-3045) in place is currently inoperable and requires replacement to restore the Thermo Fisher Scientific D711 DT Neutron Generator to full operability.

☒ *The supplies or services 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.*

USNA currently uses Thermo Fisher Scientific D711 DT Neutron Generator. This generator requires a new Neutron Generator Tube (A-3045). The current Neutron Generator Tube (A-3045) in place is no longer functioning and requires the same replacement part.

☐ *A patent, copyright or proprietary data limits competition.*

☒ *These are "direct replacement" parts/components for existing equipment.*

Neutron Generator Tube (A-3045) is a direct replacement of current inoperable part for the Thermo Fisher Scientific D711 DT Neutron Generator.

Other information to support a sole source action:

TECHNICAL/REQUIREMENTS CERTIFICATION:

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.

[redacted]

Signature

[redacted]

Date

[redacted]

Requiring Activity

I HEREBY DETERMINE THAT THE CIRCUMSTANCES JUSTIFYING ONLY ONE SOURCE IS REASONABLY AVAILABLE APPLIES TO THE CONTRACT ACTION.

[redacted]

Contracting Officer Signature Date

NAVSUP Fleet Logistics Center, Norfolk Contracting Department –Fleet Directorate