MEMORANDUM FOR FILE

FROM: Pablo Bracero
CODE: Code 808
TO: Code 02
DATE: 20260324
SUBJECT: Non-Competitive Procurement Justification Memo for Actions Under SAT

I. BACKGROUND
1. FAR 13.106-1(b)(1)(i) states for purchases not exceeding the simplified acquisition threshold, Contracting Officers may solicit from one source if the Contracting Officer determines that the circumstances of the contract action deem only one source reasonably available.

2. FAR 8.405-6 allows for limiting sources for orders or BPAs under Federal Supply Schedules under certain circumstances or for items peculiar to one manufacturer

3. As required by FAR 13.106-3(b)(3)(i), FAR 8.405-6(a)(1), or FAR 8.405-6(b)(2), this memorandum explains the absence of competition for this acquisition, as only one source will be solicited for this requirement (or for a portion of the requirement) and the requirement is not expected to exceed the simplified acquisition threshold.

II. DESCRIPTION OF ITEM OR SERVICE (Include manufacture/sole source name and address.)

Engineering services are required to support an US Navy led effort to design submarine shaft seal. The services required consist of a comprehensive technical evaluation of a U.S. Navy submarine main shaft seal (MSS) design. These services shall include preliminary adequacy assessments of the design (e.g. engineering calculation, and/or numerical simulations) and a white paper based on lessons learned from the 70 plus years of experience on designing, testing, and manufacturing seals.

Manufacturer: Stein Seals Company (SSC)
Address: 1500 Industrial Blvd, Kulpsville, PA 19443-0316
Phone: (215) 256-0201

The estimated cost for this service is between [redacted], and the expected period of performance is 12 months in duration after the SAP contract award.

III. BASIS FOR DETERMINATION FOR USE OF OTHER THAN FULL & OPEN COMPETITION

☐ **A. <u>BRAND NAME</u>.** The item required must be a brand name product, or feature of a product, particular to one manufacturer.
N/A

☐ **1. Restrictive Rights.** The source has established proprietary rights, limited rights in data, patent rights, copyrights, or secret processes in the item or service required.
N/A

☐ **2. Exclusive Licensing Agreements**. The item or service is only available from the Original Equipment Manufacturer (OEM).
N/A

☐ **3. Federal Supply Schedule (FSS) IAW FAR 8.405-6(b).**
N/A

☐ **4. Other Reasons.**
N/A

☒ **B. <u>SOLE SOURCE</u>.** (select all that apply)

☐ **1. Restrictive Rights.** The source has established proprietary rights, limited rights in data, patent rights, copyrights, or secret processes in the item or service required.

☐ **2. Exclusive Licensing Agreements**. The item or service is only available from the Original Equipment Manufacturer (OEM), or there is only one authorized distributor or technical representative for the OEM.

☒ **3. Other Reasons**.

The nature of this acquisition requires the use of a contractor with a highly specialized and unique combination of proprietary analytical tools, deep engineering expertise in hydrodynamic sealing technology, and direct experience with flexible seal design. A market survey was conducted via request for information N0016725RSEAL, and responses were received from Stein Seal, Cogitic Corp. (Cogitic), and Defense Maritime Solutions, Inc (DMS). While all respondents are capable manufacturers, only Stein Seal demonstrated the specific, advanced analytical capabilities required for this theoretical evaluation task.

The Government's need is not for manufacturing, but for a deep engineering analysis of a complex design, requiring a contractor to have an established, in-house capability to model complex fluid and rotor dynamics. SSC is uniquely qualified due to the following:

- Proprietary Analytical Tools: SSC has developed and extensively validated proprietary software for the coupled analysis of hydrodynamic films, thermal effects, and structural mechanics in high-performance seals. This integrated analytical capability is not commercially available and is essential for accurately evaluating the performance of complex Navy design.

- Specialized Expertise in Seals: SSC is a recognized industry leader in the design and analysis of seals. Their RFI provides feedback in their experience in hydrodynamic seal components. This expertise is critical for understanding the nuanced behavior of the seal-shaft system and is a unique capability not demonstrated by other RFI respondents. Cogitic and DMS, while competent manufacturers, demonstrated expertise in build-to-print manufacturing and general engineering, not this specific, advanced analytical discipline.

- Directly Relevant Experience: SSC's corporate overview and RFI response showcase extensive experience in designing and analyzing high-speed, high-pressure seals for critical applications (e.g.,

naval, aerospace, power plants, etc,). Their focus on the "analytical/engineering phase" and ability to "predict performance prior to manufacture" directly aligns with the white paper requirement.

SSC is identified as the only source with the demonstrated unique combination of proprietary tools, extensive experience, and specialized engineering personnel required to meet the Government's needs for this specific analytical task.

☐ **4. Federal Supply Schedules (FSS): IAW FAR 8.405-6(a)(1)**

☐ a. An urgent and compelling need exists, and following the procedures would result in unacceptable delays;

☒ b. Only one source is capable of providing the supplies or services required at the level of quality required because the supplies or services are unique or highly specialized; or

☐ c. In the interest of economy and efficiency, the new work is a logical follow-on to an original Federal Supply Schedule order provided that the original order was placed in accordance with the applicable Federal Supply Schedule ordering procedures. The original order or BPA must not have been previously issued under sole-source or limited-sources procedures.

IV. CERTIFICATIONS & APPROVALS

A. Technical/Requirements Certification: I certify that the facts and representation under my cognizance, which are included in this justification, are complete and accurate to the best of my knowledge and belief.

[redacted]

Date

B. Certification/Approval: Upon the basis of the above justification and authority, I hereby approve the solicitation of the proposed procurement(s) described herein from a sole source or limited sources,.

MCDONALD-JOHNSON.SYDNEY.MELVINA.1408165845

Digitally signed by MCDONALD-JOHNSON.SYDNEY.MELVINA.1408165845
Date: 2026.07.07 09:30:38 -04'00'

Contracting Officer Signature | Name / Title / Phone | Date