NAVAL SURFACE WARFARE CENTER
CARDEROCK DIVISION

MEMORANDUM

Requirements POC:	[redacted]
Requiring Code:	**611**
Date:	**24 June 2026**
Subj:	Request to Restrict Competition for FAR Part 12 Acquisition NTE SAT
PID#:	**N00167-26-SIMACQ-CD-61-0109**

This requirement is for a commercial product or commercial service that is not expected to exceed the simplified acquisition threshold (SAT) and FAR Part 12 procedures will be used for the purchase. FAR 12.102(a) states that the decision to restrict competition, including the use of brand name descriptions without allowing for "equal" products, must be documented. The Requirements Owner requests approval to restrict competition for the identified PID# for the reasons stated in Section III and submits this memorandum to document the basis for the request pursuant FAR 12.102(a).

I. TYPE OF RESTRICTION REQUESTED

SELECT ONE

☒ **Sole Source**. A sole source procurement means only one source for the required commercial product or service is reasonably available based on the information provided and certified by the Requirements Holder, e.g., exclusive licensing agreement, direct replacement, etc. "Sole source" restricts *who* can sell the product/service to the Government. If there is only one authorized dealer or reseller, select "Sole Source."

☐ **Brand Name**. A brand name procurement means that the requirement includes a brand name description, specifies a particular brand name product, or the features of the product are particular to one manufacturer. "Brand name" restricts *what* can be sold to the Government but *not who* can sell it. If there is more than one authorized dealer or reseller, select "Brand Name."

☐ **Federal Supply Schedule (FSS)**. See FAR 8.401(b). Enter FSS#: Click or tap here to enter text.

☐ **Exception to Fair Opportunity**. See FAR 16.507-6. *Select one below*.
☐ DON Enterprise Licensing Agreement (ELA). Enter ELA#: Click or tap here to enter text.
☐ Enterprise Software Initiative (ESI). Enter ESI# Click or tap here to enter text.
☐ NASA Strategic Enterprise-Wide Procurement (SEWP)

II. REQUIREMENTS DESCRIPTION

Provide a brief description of the requirements.

Purchase three upgrades of Thermo-Calc Software's thermodynamic databases to maintain the simulation capabilities for the Integrated Computational Materials Engineering (ICME) lab at NSWCCD. The required TCAL9,

TCFE14, and TCOX14 databases would provide enhanced modeling capabilities across numerous research and development (R&D) programs. The Required Delivery Date (RDD) for the purchase is [redacted]

Identify the Original Equipment Manufacturer (OEM), OEM address, and whether the market research was conducted by contacting the OEM directly *or* an authorized OEM dealer or reseller. For the source of the market research, provide the point of contact name, phone number, and e-mail. Also include the estimated dollar value from the Independent Government Estimate (IGE).

OEM Name:	Thermo-Calc Software, Inc.
OEM Address	**4160 Washington Road, Suite 230, McMurray PA 15317**
Market Research Source	☒ OEM POC provided market research. ☐ Authorized OEM Dealer or Reseller POC provided market research.
Market Research Source POC Name:	[redacted]
Market Resource Source POC Phone#:	
Market Research Source POC E-Mail#	Click or tap here to enter text.
Estimated $ Value	[redacted]

III. BASIS TO RESTRICT COMPETITION

A. Existing Restrictive Rights/Licensing Agreements.

SELECT ALL THAT APPLY	
☒	**Restrictive Rights**. The prospective contractor has established proprietary rights, limited rights in data, patent rights, copyrights, or secret processes in the product or service required.
☐	**Exclusive Licensing Agreements**. The product or service is only available from the OEM or authorized OEM dealer or reseller.

B. Coordination with Existing Equipment and Systems.

SELECT ALL THAT APPLY	
☐	**Compatible Form, Fit, & Function**. The product or service must be compatible in all aspects with existing systems presently installed and performing.
☐	**Direct Replacement**. The product or service is a direct replacement for parts and components for existing equipment.
☒	**Other Reasons**. Upgrade

C. Market Research Conducted & Conclusions.
Detailed market research is required to establish why only one source, or one brand can meet the requirement for the exclusion of other sources or brands. *To comply with FAR 12.102(a), limitations to competition MUST detail the market research conducted to find alternate sources and competition*. This information will be verified before Contracting Officer approval.

Restrictive Rights: Thermo-Calc Software is the developer and has established proprietary rights for maintaining and upgrading their thermodynamic and kinetic databases, so no other source can upgrade these databases. Furthermore, no other commercial brand of material databases is compatible with or able to be inserted directly into the Thermo-Calc Software suite already in use at NSWCCD.

Other Reasons: The upgrades of various databases will ensure that NSWCCD has the most accurate and capable databases available for the Thermo-Calc suite of software tools. The overall Thermo-Calc software suite supports numerous on-going research efforts in 611 and 612, including for PMS 397, PMS 450, and PMS 378/9 research programs. To try to transition to another application is not a practical solution because the upfront cost of a new software would be extremely detrimental and there is no way to convert historical Thermo-Calc software suite simulations into other software packages without completely starting over.

IV. CERTIFICATIONS & APPROVALS

A. Requirements Owner/Technical Certification. I certify that the information provided above is true, accurate, and complete to the best of my knowledge. I understand that approval of this request precludes use of full and open competition.

[redacted]

Requirements POC/Customer Digital Signature

B. Contracting Officer Decision. Based on the information provided herein, I approve the request to restrict competition pursuant to FAR 12.102(a).

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Code 02 Contracting Officer Digital Signature