JUSTIFICATION FOR LIMITED SOURCE/SOLE SOURCE/BRAND NAME

Federal Acquisition Regulation (FAR)
Part 12, 13, and 16 [redacted]
OR
FAR Part 8 (for all actions regardless of dollar value)

CSS Tracking Number: 832674615
Funding Document Number: [redacted]
Contract Number: To Be Determined (TBD)
Task/Delivery Order Number: TBD
Procurement Title: Vericut software for Fleet Readiness Center Southeast (FRCSE)
Estimated Value: [redacted]
Regulatory Authority: FAR Part 12.102(a): Restricting competition (Commercial under SAT)

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1. REQUIRING AGENCY AND CONTRACTING ACTIVITY:
Requiring Agency:
FRCSE
101 Wasp Street, Naval Air Station
Jacksonville, Florida 32212

Contracting Activity:
Defense Information Systems Agency/Defense Information Technology Contracting Organization PS8321
2300 East Drive, Building 3600
Scott Air Force Base, Illinois 62225

2. NATURE/DESCRIPTION OF ACTION(S):
Type of Action: New contract
Type of Contract: Firm Fixed Price (FFP)

3. DESCRIPTION OF SUPPLIES/SERVICES:
The nature of this action is to provide a FFP contract for commercial-off-the-shelf, brand name Vericut software license maintenance renewal and additional licenses for FRCSE. This procurement will be awarded to the original equipment manufacturer (OEM), CGTech, via Open Market. A portion of this requirement has a period of performance of August 01, 2026 through April 30, 2027. The other portion of this requirement has a period of performance of August 14, 2026 through April 30, 2027. The applicable North American Industrial Classification Code is 513210, with a size

[redacted]

standard of $47 million. Fiscal Year 2026 Defense Working Capital Funds have been provided through Military Interdepartmental Purchase Request number [redacted]. The total estimated price for the proposed acquisitions is [redacted].

4. IDENTIFICATION OF STATUTORY AUTHORITY: FAR Part 12.102(a): Restricting competition (Commercial [redacted]

5. DEMONSTRATION OF CONTRACTOR'S UNIQUE QUALIFICATIONS OR THE NATURE OF THE ACQUISITION REQUIRED:
FRCSE requires the continued use of a software program for simulation of Computer Numerical Control (CNC) machining. The software product must enable the user to interactively simulate, verify, analyze, and optimize numerical control tool paths on computer. FRCSE requires the CNC machining software program to simulate tool motion, the material removal process, detecting errors and areas of inefficiency.

Vericut software is a CNC machining simulator that is currently in use at FRCSE. This requirement would renew software license maintenance previously purchase as well as acquiring four additional licenses and maintenance.

Vericut is widely adopted in manufacturing for CNC simulation and verification due to several objective factors. Unlike many Computer Aided Manufacturing (CAM) integrated simulators (such as those in Mastercam, Fusion 360, or SolidCAM), Vericut simulates the actual geometric code that will be executed on the CNC machine, providing a more accurate representation of the machining process and potential errors.

Vericut offers full machine simulation, including all axes, spindles, tool changers, and fixtures. This allows for detection of collisions, over-travel, and programming errors involving both the tool and machine components. In comparison, many CAM-integrated simulators primarily focus on toolpath verification and may not simulate the complete machine kinematics or detect all possible collisions, especially those involving machine components or fixtures.

As a vendor-neutral platform, Vericut supports a wide range of CNC machines and controllers, making it suitable for facilities with diverse equipment. Some competitors, such as Mastercam Simulator or SolidCAM Simulator, are limited to their respective CAM environments and may not support as broad a range of machines or controllers.

Vericut's error detection capabilities extend beyond basic collision checking to include tool-holder collisions, gouges, and near-misses. While other standalone simulators like [redacted] also offer advanced collision detection, Vericut is distinguished by its widespread industry adoption.

The software includes modules for optimizing feed rates and cutting conditions, which can reduce cycle times and tool wear. While some competitors offer optimization

features, Vericut's OptiPath and Force modules are recognized for their advanced analysis and impact on machining efficiency.

Integration with all major CAM systems is supported, allowing for streamlined workflow regardless of the CAM software used. Many organizations require Vericut verification as part of their quality assurance protocols. The software is supported by regular updates and technical assistance from the developer, CGTech.

If Vericut is not procured, the risk of undetected programming errors, toolpath collisions, and machine crashes increases significantly. Without advanced simulation and verification, CNC programs would be run directly on multi-million dollar CNC machines, exposing them to potential collisions or over-travel that can cause severe damage to machine components, resulting in costly repairs and extended downtime. This can lead to work stoppages, production delays, and increased scrap or rework rates, as errors may only be discovered during actual machining. The absence of virtual program proving also means more time spent on manual dry runs and troubleshooting, reducing overall productivity and machine utilization.

6. MARKET RESEARCH:
Market research, conducted between March – May 2026, included: personal knowledge, contact with knowledgeable persons in Government and industry, review of recent market research results for similar or identical supplies and services, review of government and/or commercial databases, and review of existing DISA-Wide and Department of War multiple award contract vehicles and other Government-wide Acquisition Contracts. Market research confirmed the requirement is available from only the OEM, CGTech, via Open Market.

Based on current market research, it has been determined that only the aforementioned brand name product can fully support the Government's needs. This requirement is for a proprietary product and no competitor functional replacement product exists in the market at this time that can meet the Government's needs. The Government will continue to conduct market research to determine if there are changes in the marketplace that would enable future competitive actions, i.e., there are similar products and/or product support in the marketplace that provides the same functionality, the OEM releases ownership rights or the product, or it is economically feasible to procure a new system.

Based on the justification provided by FRCSE, a determination has been made to issue a sole source solicitation to CGTech, the OEM, for the above-described requirement.

REQUIREMENTS CERTIFICATION: I certify that the supporting data under my cognizance, which are included in this justification, is accurate and complete, to the best of my knowledge and belief.

[redacted]

CONTRACTING OFFICER APPROVAL: I have reviewed this justification and find it to be accurate and complete, to the best of my knowledge and belief. This review serves as approval.

[redacted]

ALL QUESTIONS REGARDING THIS JUSTIFICATION ARE TO BE REFERRED TO:
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