



**4. Authority Cited:** 41 United States Code 4106(c) as implemented in Federal Acquisition Regulation 8.405-6(a)(1)(i)(B), Only one responsible source and no other supplies or services will satisfy agency requirements.

**5. Reason for Authority Cited:** Star-CCM+ Software is currently utilized for several root cause investigations

[REDACTED]

The Star-CCM+ Software Suite is identified through market research as the only software that could provide the necessary capabilities to meet the Government's requirements. Siemens Digital Industries Software Inc. (DISW) is the software developer of the Star-CCM+ software suite. Currently, there is no other existing software that is technically capable of meeting the Government's needs.

[REDACTED]

Therefore, only Siemens DISW has the specific capability to provide software released updates and the necessary software licenses with maintenance for Star-CCM+.

[REDACTED]

Below reflects the summary of delays.

- 1. Developing a New Software:** For a new potential supplier to develop a technical solution that mirrors Star-CCM+ software,

[REDACTED]

- 2. **Validating Existing Software Design:** To validate the existing software design and hardware with a new software program [REDACTED]
- 3. **Training for the End Users:** Once the software is deemed acceptable and validated, the Government would have to undergo a training program to educate the engineers and technicians in its use, and transition existing models to the new workflow. [REDACTED]

The authority cited is appropriate for this requirement as Siemens Government Technologies Inc. (SGT) is the only reseller authorized to sell the required Star-CCM+ software to the Army. SGT has a GSA Multiple Award Schedule (MAS) Contract 47QTCA22D0036 which offers the required software. SGT [REDACTED] [REDACTED] which states that SGT is the sole provider to the Army and no other reseller is authorized to sell the required software. US Army customers are direct accounts for SGT. [REDACTED] Siemens DISW, the manufacturer of the Siemens Star CCM software. [REDACTED]

[REDACTED] This software is available through GSA MAS contract 47QTCA22D0036.

Alternatives: There are no known possible alternatives available to the Government. It is not possible to utilize in-house personnel/expertise as DEVCOM-AC does not currently possess the expertise or capabilities on developing a new software. Obtaining additional competition for this requirement is not possible because of the unacceptable delays that would be experienced to develop a new software.

**6. Efforts to Obtain Competition:** Effective competition is not anticipated for this requirement as Siemens Government Technologies Inc. is the only reseller authorized to sell the required Star-CCM+ software to the Army. The Contracting Office shall publish the notices required by FAR 5.201.

**7. Actions to Increase Competition:** Actions to increase competition are not possible, because only SGT is authorized to sell the STAR-CCM+ software to the Army.

**8. Market Research:** Market research indicates that the required Star-CCM+ software license renewal and support can only be provided by a sole source developer/distributor of the software. The market research shows that there is no adequate competition as no other software developers are capable of providing the required software licenses and support. DEVCOM-AC [REDACTED]

[REDACTED] A review of all other company's literatures gathered as a result of government database searches disclosed that no other commercially available Star-CCM+ developer exists and no other commercial organization can provide DEVCOM-AC with Star-CCM+ software license suites or support.

The requirement can only be met through the purchase of Star-CCM+ software. SGT is the only source that is capable of providing the required software [REDACTED]

**9. Other Facts:** Procurement History

Contract number, awarded contractor: W15QKN-17-A-0079/W15QKN-22-F-0258, Siemens product lifecycle management Software Inc.

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

Contract number, awarded contractor: W15QKN-17-A-0079/W15QKN-21-F-0423, Siemens product lifecycle management Software Inc.

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

Contract number, awarded contractor: W15QKN-17-A-0079/W15QKN-20-F-0509, Siemens product lifecycle management Software Inc.

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

Contract number, awarded contractor: W15QKN-17-A-0079/W15QKN-19-F-0555, Siemens product lifecycle management Software Inc.

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

[REDACTED]

Contract number, awarded contractor: W15QKN-17-A-0079/W15QKN-19-F-0136, Siemens product lifecycle management Software Inc.

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

Contract number, awarded contractor: W15QKN-17-A-0079 Order 0002, Siemens PLM

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

Contract number, awarded contractor: W15QKN-17-A-0079 Order 0001, Siemens PLM

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

Contract number, awarded contractor: W15QKN-16-A-0090 Order 0001, Analysis & Design Application Co. (CD-adapco)

Description of requirement: Software and Support for Star-CCM+ Software

[REDACTED]

[Redacted]

**10. Technical Certification:**

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

[Redacted]

[Redacted]

[Redacted]

[Redacted]

**11. Requirements Certification:**

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

[Redacted]

[Redacted]

[Redacted]

[Redacted]

**12. Fair and Reasonable Cost Determination:**

I hereby determine that the anticipated cost to the Government for this contract action will be fair and reasonable.

[Redacted]

[Redacted]

[Redacted]

[Redacted]

**13. Contracting Officer Certification:**

I certify that this justification is accurate and complete to the best of my knowledge and belief.

CUI

Control Number:

[REDACTED]

[REDACTED]

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CUI

Control Number:

Approval

Based on the foregoing justification, I hereby approve limiting sources in the acquisition of Star-CCM+ Software for [REDACTED] pursuant to the authority of 41 United States Code 4106(c) as implemented in Federal Acquisition Regulation 8.405-6(a)(1)(i)(B), Only one responsible source and no other supplies or services will satisfy agency requirements, subject to availability of funds, and provided that the services and property herein described have otherwise been authorized for acquisition.

[REDACTED]

[REDACTED]

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JUN 2023