

**Sole Source
Written Determination**

Agency Identification: The Citadel Military College

Description of the agency need that this procurement fulfills: *(See instructions on last page for guidance)*

Software company that provides MATLAB and Simulink which are already built into the curriculum across campus for math and sciences classes.

Describe the Market Based on Research Performed: *(See instructions on last page for guidance)*

The Citadel has used MATLAB and Simulink for many years (since the 1990's) after an evaluation was performed to select the best software for our needs. Previously we used their perpetual licenses that just required yearly maintenance. In 2024, MathWorks switched to only subscription-based licensing and the college made the decision to go with a Campus-wide license not only because they remains the industry standard products, but because switching products would be detrimental to the faculty's curriculum across multiple departments and would be too costly. The specifications were developed by focusing on consistency with current curriculum at The Citadel within math & sciences.

The products must be obtained through the manufacturer because they are the sole producers of MATLAB and Simulink.

No implementation or training is needed because the product is already implemented and the faculty have been teaching with these products for years. MathWorks offers support for any issues we have or new ways we want to use the products (ex. We integrated it into our LMS).

The renewal is annually billed by MathWorks. All faculty and staff will have access with their Citadel email.

Barriers to Entry: MATLAB and Simulink are written into the curriculum for both Engineering and Math classes and changing curriculum would not only be a complete disruption to teaching the students, but it would also be a more expensive route because of the implementation of a new product.

Market research: There are no other resellers that offer MATLAB and Simulink based on our research. MathWorks has also provided a Sole Source letter to additionally verify. We know other state schools have awarded this sole source to MathWorks including Clemson University and University of South Carolina.

Sole Source Vendor Name: MathWorks Inc.

Based upon the following determination, Agency proposes to acquire the supplies, construction, information technology, and/or services described herein from the vendor named above per SC Code Ann § 11-35-1560 and SC Regulation 19-445.2105, Sole Source Procurement.

Description of supplies, construction, information technology, and/or services vendor will provide under the contract: *(See instructions on last page for guidance.)*

The MathWorks Campus-Wide License gives all students, faculty, and staff unlimited access to MATLAB, Simulink, and over 100 toolboxes on any device, on or off campus (through VPN). This ensures consistent use of industry-standard tools across courses and labs without extra cost or IT complexity. Faculty can easily integrate MATLAB into teaching with resources like MATLAB Onramp for student onboarding. Students benefit from hands-on experience with modeling, simulation, and

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data analysis, preparing them for careers in engineering and technology. The license also supports advanced research through high-performance computing and specialized toolboxes, enabling interdisciplinary projects.

Explain why the described solution is the only solution that meets the agency's need and how no other identified solutions were sufficient. *(See instructions on last page for guidance)*

MathWorks is the only provider of MATLAB and Simulink, which are essential for model-based design, simulation, and algorithm development in engineering and applied sciences. There is no reseller of MATLAB and Simulink software. Competing products lack critical features such as integrated toolboxes, compliance with industry standards, and compatibility with existing workflows, making them insufficient for the agency's teaching and research needs. Switching to another vendor that cannot provide MATLAB and Simulink would not only be beyond the college's budget, but would completely disrupt classes since faculty have built their course materials around these products.

Note: Determination is not complete without required signatures and dates

Required Signatures:

Prepared by: _____

Date: 11/26/25

Printed Name: Leonard Niebo

Title: CIO

Approved by: _____

Approval Date: __/__/____

Printed Name: Enter Authorized Approver Name

Title: Enter Authorized Approver Title

The last page contains instructions and is not required to be retained