

**NONCOMPETITIVE PROCUREMENT JUSTIFICATION**  
**(Simplified Acquisition Procedures (SAPs) Micropurchase Threshold to \$150K)**

The service or product(s) listed on requisition(s) below is/are precluded from competition for reasons indicated below.



There are no suitable substitutes available.

Restricted to the following source. Provide original manufacturer's name. (If a sole source manufacturer distributes via dealers, ALSO provide dealer information.)

Manufacturer: The MathWorks, Inc.  
Manufacturer's Dealer/Rep: Tom Fotiades, (508) 647-3117

Description of the product or services required, the estimated cost, and required delivery date (products) or Period of Performance (services). The government requirement is to purchase an environment for multi-domain simulation and Model-Based Design for dynamic and embedded systems. That allows an interactive graphical environment and a customizable set of block libraries that let you design, simulate, implement, and test a variety of time-varying systems, including communications, controls, signal processing, video processing, and image processing. As well as a high-level language and interactive environment that enables you to perform computationally intensive tasks. Additionally the software must be compatible with the NMCI computer system. The software tool must be able to allow for modeling and code generation to HDL with a readable HDL code. To perform these tasks the following Simulink® and MATLAB® Software products manufactured by The MathWorks, Inc. have been identified:

Item #	Qty	Description	PN
1	1	Phased Array System Toolbox	ARALL
2	1	Communications System Toolbox	CMALL
3	1	MATLAB Compiler	COALL
4	1	MATLAB Builder EX	EBALL
5	1	Spearsheet Link EX	ELALL
6	1	EDA Simulator Link	ESALL
7	1	Fuzzy Logic Toolbox	FLALL
8	1	Simulink HDL Coder	HDALL
9	1	Model Predictive Control Toolbox	MPALL
10	1	MATLAB Report Generator	MRALL
11	1	Optimization Toolbox	OPALL
12	1	Robust Control Toolbox	RCALL
13	1	Simulink Control Design	SDALL
14	1	Stateflow	SFALL
15	1	Simulink Design Optimization	SOALL
16	1	Simulink Verification and Validation	VVALL
17	1	MATLAB Reinstatement	SRML
18	1	Simulink Reinstatement	SRSL
19	1	Aerospace Blockset Reinstatement	SRAE
20	1	Aerospace Toolbox Reinstatement	SRAT
21	1	Control System Toolbox Reinstatement	SRCT
22	1	DSP System Toolbox Reinstatement	SRDP
23	1	Embedded Coder Reinstatement	SREC
24	1	Simulink Fixed Point Reinstatement	SRFP
25	1	Image Acquisition Toolbox Reinstatement	SRIA

26	1	Instrument Control Toolbox Reinstatement	SRIC
27	1	Image Processing Toolbox Reinstatement	SRIP
28	1	MATLAB Coder Reinstatement	SRME
29	1	Fixed-Point Toolbox Reinstatement	SRPO
30	1	Simulink Coder Reinstatement	SRRT
31	1	Signal Processing Toolbox Reinstatement	SRSG
32	1	Computer Vision System Toolbox Reinstatement	SRVP
33	1	Real-Time Windows Target Reinstatement	SRWT
34	1	xPC Target Reinstatement	SRXP
35	1	MATLAB Maintenance	SUBML
36	1	Simulink Maintenance	SUBSL
37	1	Aerospace Blockset Maintenance	SUBAE
38	1	Phased Array System Toolbox Maintenance	SUBAR
39	1	Aerospace Toolbox Maintenance	SUBAT
40	1	Communications System Toolbox Maintenance	SUBCM
41	1	MATLAB Compiler Maintenance	SUBCO
42	1	Control System Toolbox Maintenance	SUBCT
43	1	DSP System Toolbox Maintenance	SUBDS
44	1	MATLAB Builder EX Maintenance	SUBEB
45	1	Embedded Coder Maintenance	SUBEC
46	1	Spreadsheet Link EX Maintenance	SUBEL
47	1	EDA Simulator Link Maintenance	SUBES
48	1	Fuzzy Logic Toolbox Maintenance	SUBFL
49	1	Simulink Fixed Point Maintenance	SUBFP
50	1	Simulink HDL Coder Maintenance	SUBHD
51	1	Image Acquisition Toolbox Maintenance	SUBIA
52	1	Instrument Control Toolbox Maintenance	SUBIC
53	1	Image Processing Toolbox Maintenance	SUBIP
54	1	MATLAB Coder Maintenance	SUBME
55	1	Model Predictive Control Toolbox Maintenance	SUBMP
56	1	Optimization Toolbox Maintenance	SUBOP
57	1	Fixed-Point Toolbox Maintenance	SUBPO
58	1	Robust Control Toolbox Maintenance	SUBRC
59	1	Simulink Coder Maintenance	SUBRT
60	1	Simulink Control Design Maintenance	SUBSD
61	1	Signal Processing Toolbox Maintenance	SUBSG
62	1	Simulink Design Optimization Maintenance	SUBSO
63	1	Computer Vision System Toolbox Maintenance	SUBVP
64	1	Real-Time Windows Target Maintenance	SUBWT
65	1	xPC Target Maintenance	SUBXP

These items are required to support [REDACTED]

[REDACTED] These will be used to support Firmware development

[REDACTED] These will be used in [REDACTED]

Specific characteristics of the material or service that limit the availability to a sole source (unique features; function of the item; unique capabilities; facilities or special equipment; etc.). Describe in detail why only this suggested source can furnish the requirements to the exclusion of other sources. The Mathworks is the Original Equipment Manufacturer (OEM) of MATLAB and SIMULINK. [REDACTED] currently use MATLAB and Simulink to [REDACTED]

[REDACTED] The additional parts are required to [REDACTED]

[REDACTED] Selection of [REDACTED]

[REDACTED]

For non-personal services indicate the highly technical or specialized expertise required. Describe the contractor's workforce, methods, materials or unique management or operating systems. If it is unique because of knowledge of key individuals, what is the basis of the knowledge that another firm could not obtain the same or equivalent expertise? Could another firm obtain the necessary highly specialized experience or technical capability in time to perform the requirement? N/A

The required product(s) or service(s) represent(s) the minimum requirements of the Government and no other product(s) or service(s) can satisfy the need.

**FILL IN ALL APPLICABLE BLANKS BELOW**

The product(s) must be compatible in all aspects (form, fit, and function) with existing systems presently installed. Describe the equipment you have **now** and **how** the new item/service must coordinate, connect, or interface with the existing equipment. [REDACTED]

Patent rights, copyrights, trade secrets, technical data, secret processes, or other propriety data essential for contract performance limits competition. The proprietary data is:

These are "direct replacements" parts/components for existing equipment .

Other information to support a sole-source buy:

**I CERTIFY THAT STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE, ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE-SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.**

[REDACTED]

Contracting Officer Signature

Date

Brenda Bledsoe

8-8-12