

SIMPLIFIED ACQUISITION PROCEDURES (SAP)

Determination Memorandum for Sole Source Acquisitions Over \$3,500 but not Exceeding \$150,000

SOLICITATIONS MAY BE LIMITED TO ONE SOURCE ONLY IF THE CONTRACTING OFFICER DETERMINES THAT ONLY ONE SOURCE IS REASONABLY AVAILABLE. WHEN THE CUSTOMER DESCRIBES AN ITEM OR SERVICE, WHICH LIMITS THE AVAILABILITY TO ONE SOURCE, THE DETERMINATION MUST EXPLAIN WHY THE ITEM OR SERVICE PROVIDER IS THE ONLY ONE THAT WILL MEET THE GOVERNMENT'S REQUIREMENT. STATEMENTS SUCH AS "ONLY KNOWN SOURCE" OR "ONLY SOURCE WHICH CAN MEET THE REQUIRED DELIVERY DATE" ARE INADEQUATE TO SUPPORT A SOLE SOURCE PURCHASE. THIS FORM MAY BE USED IN LIEU OF THE DETERMINATION DESCRIBED IN FAR 13.106. THE CUSTOMER SHALL PROVIDE THE FOLLOWING INFORMATION:

1. PURCHASE REQUEST OR REQUISITION NUMBER:	2. PROJECT/TASK NUMBER: PMT [REDACTED]	3. ESTIMATED AMOUNT: [REDACTED]
--	---	------------------------------------

4. BRIEF DESCRIPTION OF SUPPLIES OR SERVICES REQUIRED AND THE INTENDED USE:
This effort is to procure National Instruments Corp. software development products, to support conversion from Windows XP to Windows 10. The Government requires these items by specific brand-name: Part #, Model #, Nomenclature, and Quantity. See Attachment for list.

5. UNIQUE CHARACTERISTICS THAT LIMIT AVAILABILITY TO ONLY ONE SOURCE, WITH THE REASON NO OTHER SUPPLIES OR SERVICES CAN BE USED:
The current Host Input/Output (IO) software utilized within the T-45 Simulators was developed by National Instruments Corporation (CAGE 64667). The Government has a Department of the Navy (DON) Chief Information Officer (CIO) requirement to eradicate Windows XP from all simulator systems. Converting the current T-45 Simulators from Windows XP to Windows 10, requires changes to the Host Interface Software, due to a requirement to change from the Windows XP 32 Bit encryption, to the Windows 10 64 Bit encryption. In order to maintain the configuration management baseline and to ensure adequate information assurance is applied and tested for the software baseline it is critical that the identical part is used. No other company's products will work as such. The above-mentioned company - National Instruments Corporation is the only source capable of meeting the Government requirements.

6. EXPLAIN WHY AN ADEQUATE PURCHASE DESCRIPTION OR OTHER INFORMATION SUITABLE TO SOLICIT MORE THEN ONE SOURCE HAS NOT BEEN DEVELOPED:
Any attempt to introduce alternative software development tooling would result in a significant cost increase, delay program schedule, and not support the software baseline. Utilizing a package other than the National Instruments Corporation product would require the procurement of a entirely new IO system, to include a IO Cabinet, IO Chassis, IO Cards, Interconnect Cables, Junction Boxes, and a significant number of Software Lines of Code (SLOC).

7. PROVIDE A STATEMENT OF ACTIONS, IF ANY, THE GOVERNMENT MAY TAKE TO REMOVE OR OVERCOME ANY BARRIERS TO COMPETITION BEFORE FUTURE ACQUISITIONS ARE REQUIRED:
No reasonable action can be identified at this time. These specified items are unique to the T-45 SIM Host IO Software Development Requirements, and will maintain the baseline software architecture for the training systems. Market research was conducted with industry and the results indicated that no other companies were capable of providing identical products besides National Instruments Corporation. Future procurements may result in different conclusions, depending on the technology available at that time.

8. CUSTOMER

8a. Name: [REDACTED]	8b. Code: [REDACTED]	8c. Phone#: [REDACTED]
8d. Signature/Date: [REDACTED]		

9. CONTRACTING OFFICER

9a. Name: [REDACTED]	9b. Code: [REDACTED]	9c. Phone#: [REDACTED]
9d. Signature/Date: [REDACTED]		

Description	National Instruments Corporation Part Number	Model	Quantity
NI PXIe-8381, x8 Gen2 MXI-Express for PXI Express Interface	782362-01	NI PXIe-8381	1
NI PCIe-8381, x8 Gen2 MXI-Express for PXI Express Interface	782361-01	One Link (PCIe-8381)	1
x8 MXI-Express Fiber Cable (x4 Gen2 Speed), 30m	783329-30	PXI Express Fiber Optic Cable for PXI Express (x8 Connector, x4 Speed) (30m)	1
NI PXI-6255 (80 Analog Inputs, 24 Digital I/O, 2 Analog Outputs)	779547-01	NI PXI-6255	1
SCB-68A Noise Rejecting, Shielded I/O Connector Block	782536-01	SCB-68A	6
SHC68-68-EPM Shielded Cable, 68-D-Type to 68 VHDCI Offset, 2 m	192061-02	SHC68-68-EPM Cable (2m)	1
SHC68-68, Twisted Pair Cable with Basic Shielding, 2 m	191945-02	SHC68-68 Cable (2m)	1
NI PXI-6704 DC Analog Output Module and NI-DAQ	777796-01	NI PXI-6704	4
SH68-68-D1 Shielded Cable, 2 m	183432-02	SH68-68-D1 Cable (2m)	4
NI PXI-6509 Industrial, 96 ch 5V/TTL/CMOS Digital I/O and NI-DAQ	778858-01	NI PXI-6509	4
SCB-100 Noise Rejecting, Shielded I/O Connector Block	776990-01	SCB-100	4
CABLE ASSY, Type SH100-100-FLEX, 2 m	185095-02	SH100-100-F Cable (2m)	4
NI PXI-2569 100 ch Form A Relay Module	778572-69	NI PXI-2569	2
PXIe-1065, 18-Slot 3U PXIe/PXI Chassis	779730-01	NI PXIe-1065	1
Power Cord, AC, U.S., 120 VAC, 2.3 meters	763000-01	United States 120VAC	1
NI 14/18-Slot Chassis Front Rack Mount Kit	778644-01	PXI 18-slot Front Rack Mount Kit	1
NI 14/18-Slot Chassis Rear Rack Mount Kit	778644-02	PXI 18-slot Rear Rack Mount Kit	1
NI PXI Slot Blocker, Set of 5	199198-01	PXI Chassis Slot Blocker Kit (includes 5 slot blockers)	1
NI Software Platform Bundle, USB, Include 1 Year SSP	784333-35	NI Software Platform Bundle, USB	1