

JUSTIFICATION FOR SOLE SOURCE/BRAND NAME (Simplified Acquisitions <\$100K)

The service or material listed on SERVICE ESTIMATE is sole source and competition is precluded for reasons indicated below. There are no substitutes available for this material or service.

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

Manufacturer: PLEXSYS Interface Products, Inc
Manufacturer POC & phone nr. Douglas Foster, 360-838-2510, DFoster@plexsys.com
Manufactures Address: 4900 NW Camas Meadows Drive, Camas WA 98607

Dealer / Rep: PLEXSYS Interface Products, Inc. / Douglas Foster

Dealer / Rep address / phone nr. 4900 NW Camas Meadows Drive, Camas WA 98607 /360-838-2510

Description of the item or service required, the estimated cost, and required delivery date.

A new contract awarded on a Sole Source basis to PLEXSYS Interface Products, Inc. The purpose of this contract is to lease a PLEXSYS Advance Simulator Combat Operation Trainer (ASCOT) hardware, software and communications (PlexComm) suite to provide the required equipment and support to inject simulated Radar and IFF into the Common Aviation Command and Control System (CAC2S) operated by MACS-2, MCAS Cherry Point, NC. ASCOT is required to allow the USMC TAOC to participate in TR FST-J 15-2 (09-19 Feb 15) and fully interoperate with joint and naval air command and control (AC2) units in a distributed synthetic training environment. ASCOT will also be required to support system integration testing between MACS-2 TAOC and the Navy Continuous Training Environment (NCTE) on 05-09 Jan 15.

Specific characteristics of the material or service that limit the availability to a sole source (unique features, function of the item, etc.). Describe in detail why only this suggested source can furnish the requirements to the exclusion of other sources.

MACS-2 TAOC requires the capability to inject simulated Radar and IFF into CAC2S in order to participate in Fleet Synthetic Training – Joint (FST-J) 15-2. This is accomplished by the ASCOT conversion of sim data from the Joint Semi-Automated Forces (JSAF) Model located at the Navy Sim Center at Tactical Training Group Atlantic, Gallery Hall. Sim data is passed through the Naval Continuous Training Environment and the Joint Training and Experimentation (JTEN) infrastructure. ASCOT will convert the JSAF data to C2DSIS and Astriix data (Radar and IFF Data) and forward it to CAC2S. FLAMES and Sculpt M & S systems cannot perform required data conversions.

ASCOT provides realistic training for surveillance operators and gives them the ability to Identify Friend or Foe (IFF), classify data and push the classified tracks into a data link (JREAP-C) to be shared by all units participating in the exercise's link architecture.

TAOM is a legacy system that is no longer used at MACS-2 (or any other MACS units in the Marine Corp). It will be eliminated from USMC inventory by beginning of 2015.

MTAOM is not being used for this exercise and will also be eliminated from USMC inventory in 2015.

ATC equipment is not being used by MACS-2 for this exercise.

PlexComm (8 Channel MRQ Interface provided by PLEXSYS as part of ASCOT Package) allows MACS-2 to use its own organic equipment (AN/MR-13 Communication System). PlexComm

provides an interface to VRC-103 Radios located within the AN/MRQ-13 Communication System. The allows operators to utilized DIS voice from organic tactical equipment, which increase the training value for both USMC Operators and System Maintenance Personnel

Without ASCOT M&S and PlexComm, MACS-2 cannot participate in the FST-J 15-2 exercise with its organic systems (CAC2S and MRQ-13) and the USS Theodore Roosevelt Carrier Strike Group (CSG) will miss a valuable joint training opportunity in support of its upcoming OCONUS deployment.

The requested material or service represents the minimum requirements of the government.
CHECK & FILL IN ALL APPLICABLE BLANKS BELOW

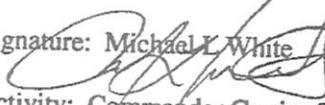
The material/service must be compatible in all aspects (form, fit and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect, or interface with the existing system.

A patent, copyright or proprietary data limits competition. The proprietary data is :
Advanced Simulation Combat Operations Trainer (ASCOT) and PlexComm (8 Channel MRQ Interface)

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.

Signature:  Title: Assistant Chief of Staff for Plans and Policy (N5)

Activity: Commander Carrier Strike Group Four (CCSG-4)

Date: 15 December 2015

Contracting Officer Signature

