



DEPARTMENT OF THE NAVY
 COMMERCIAL ACQUISITION, BUILDING 11
 NAVAL UNDERSEA WARFARE CENTER DIVISION, NEWPORT
 CODE 119, SIMONPIETRI DRIVE
 NEWPORT RI 02841-1708

IN REPLY REFER TO:
 J & A #: N66604-12529.0
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JUSTIFICATION AND APPROVAL
FOR USE OF OTHER THAN FULL AND OPEN COMPETITION
JUSTIFICATION

1. Contracting Activity

The Naval Sea Systems Command, Naval Undersea Warfare Center Division Newport, [REDACTED] Newport, RI.

2. Description of Action Being Approved

Approval to award a firm fixed price contract on a sole source basis to DIT-MCO International, 5612 Brighton Terrace, Kansas City, MO 64130.

3. Description of Supplies/Services

Quantity 4 each of MK556 Mod 6 Cabinet #1 Cable Test Sets (Drawing number 7054303) in support of the MK 48 Heavyweight Torpedo Program.

Estimated Dollar Value		
	FY11	Total
WPN	[REDACTED]	[REDACTED]

The Government's minimum needs have been verified by the certifying technical and requirements personnel.

4. Statutory Authority Permitting Other Than Full and Open Competition

10 U.S.C. 2304 (c) (1): Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements.

5. Rationale Justifying Use of Cited Statutory Authority

a. The Naval Undersea Warfare Center Division Newport (NUWCDIVNPT) conducted a full and open competitive procurement for identification of the MK556 Mod 6 Cable Test Set replacement capability in FY02. Based on the result of this procurement action, a contract [REDACTED] was awarded to DIT-MCO International, Kansas City, MO, in the amount of [REDACTED] on 19 July 2002. DIT-MCO International's solution was selected as it presented both the lower risk and cost to the Heavyweight Torpedo program. The system also provided commonality with other test platforms utilized at the Navy Depot Activity at Keyport, WA.

Based on the substantial duplication of cost that would have been incurred to develop a second test set configuration, additional documentation and the required re-certification for a different configuration, subsequent procurements were conducted as sole source actions. The duplication costs for a second configuration were not expected to be recovered through competition. These fifteen additional MK556 Mod 6 Cable Test Sets summarized in the table below were procured from DIT-MCO International.

Contract	Prime	QTY	Comp/SS	Date of Purchase / Notes
[REDACTED]	[REDACTED]	1	Competitive	[REDACTED]
[REDACTED]	[REDACTED]	3	Sole Source	[REDACTED]
[REDACTED]	[REDACTED]	6	Sole Source	[REDACTED]
[REDACTED]	[REDACTED]	6	Sole Source	[REDACTED]

The proposed contract action, for purchase of four MK556 Mod 6 Cabinet #1 Cable Test Sets, will complete the final scheduled installment of the U.S. Government's total procurement requirement (total requirement is for 20 MK556 Cable Test Sets) in support of the MK48 Heavyweight Torpedo Program.

b. Substantial Duplication of Costs to the Government and Unacceptable Delays in Fulfilling Government Requirements: The cost to duplicate the capability of the DIT-MCO MK556 Mod 6 Cabinet #1 Cable Test Set is not expected to be recovered through competition. To procure the final scheduled installment through open competition would result in significant duplicative costs to the Government estimated at \$1.1M, which would not be off-set through competition. The estimated duplicative costs that the Government would incur should an alternate vendor be selected to accomplish integration, validation, and updates to existing system hardware, software and documentation are based on the following:

(1) Selecting a different manufacturer would result in mixed configurations of the MK556 Mod 6 Cabinet #1 Cable Test Sets. This would require the Government to maintain two separate baselines supporting documentation and spares allocation over the complete life cycle of the program. Maintaining two different test sets would entail the following estimated costs: updating operation and maintenance curriculum [REDACTED], updating technical manuals [REDACTED], configuration management [REDACTED], developing initial outfitting list [REDACTED], updating logistic support analysis [REDACTED] and providing additional spares support [REDACTED]. These additional costs to support two separate baselines over the

life cycle of the program are prohibitive and would not be recovered through a competition. The total estimated costs for this effort would be \$450,700.

(2) NUWCDIVNPT, as the Technical Design Agent (TDA) for Heavyweight Torpedo test equipment, developed the initial software test programs and performed the required engineering analysis, acceptance, validation, and approval efforts to ensure that the DIT-MCO MK556 Mod 6 Cabinet #1 Cable Test Sets and software met all fleet cable testing requirements. NUWCDIVNPT developed unique testing script software required to be compatible with the proprietary DIT-MCO controller test software which is a primary component of the upgrade kit. By selecting a different manufacturer, NUWCDIVNPT would be required to duplicate all engineering analysis, acceptance, validation, and approval efforts to ensure that the new system and software meet all fleet cable testing requirements. Based on the level of effort and duration of the current fleet test configuration, the estimated costs to approve a new system would include systems engineering [REDACTED], technical reviews [REDACTED], hardware engineering [REDACTED], software engineering [REDACTED], systems integration and validation [REDACTED] and project management [REDACTED]. The total estimated costs for these processes would be \$665,400.

Duplicating the supporting baseline documentation for a different manufacturer and redoing the development and validation efforts would require at least a 13 month effort to complete. This would delay the fielding of the MK556 Mod 6 Cabinet #1 Cable Test Sets and would ultimately impact torpedo test, build-up, and turnaround activities by the Intermediate Maintenance Activities to the Fleet.

DIT-MCO International is the only manufacturer capable of delivering the MK556 Mod 6 Cabinet #1 Cable Test Sets within the Government's budget and schedule constraints.

6. Description of Efforts made to Solicit Offers from as Many Offerors as Practicable
The proposed contract was synopsisized via posting on the Federal Business Opportunities (FedBizOpps) website on 2 May 2011 in accordance with FAR 5.2. No challenges were received in response to the synopsis. No additional market research was conducted because it is not practicable, for the reasons discussed in paragraph 5 above, for any company other than DIT-MCO International to provide the required supplies.
7. Determination of Fair and Reasonable Costs
The Contracting Officer has determined that the anticipated cost to the Government for the supplies/services covered by the J&A will be fair and reasonable.
8. Actions to Remove Barriers to Competition
The proposed contract action set forth in Paragraph 3 will complete the final scheduled installment of the U.S. Government's total procurement requirement for the MK556 Mod 6 Cabinet #1 Cable Test Sets. The U.S. Government has no plans to purchase the supplies covered by this document in the future.

