



DEPARTMENT OF THE NAVY

NAVAL SURFACE WARFARE CENTER
DAHLGREN DIVISION
6149 WELSH ROAD, SUITE 203
DAHLGREN, VIRGINIA 22448-5117

IN REPLY REFER TO
4200
DL13095
CX511-8
N00178-12-R-1007
12 April 2012

JUSTIFICATION AND APPROVAL FOR USE OF OTHER THAN FULL AND OPEN COMPETITION

JUSTIFICATION

1. Contracting Activity

The Naval Sea Systems Command, Naval Surface Warfare Center, Dahlgren Division, Contracts Division, Dahlgren, Virginia.

2. Description of the Action Being Approved

The purpose of this acquisition is to acquire Battle Force Tactical Training (BFTT) T46D system equipment via a firm-fixed-priced contract on a sole source basis to meet current Department of the Navy requirements. This acquisition will be negotiated with Kontron America, Inc., 14118 Stowe Drive, Poway, CA 92064-7147.

3. Description of Supplies/Services

This requirement is for the acquisition of the following:

Base Contract

Item	Qty	Description	Part/Model Number
1	2	AN/USQ-T46D(V) 3, DDG 78 & 97 (Build 4.0)	5005001-048
2	4	AN/USQ-T46D(V) 3, DDG 52,62,114 & 115 (Build 4.1)	5005001-051
3	2	AN/USQ-T46D(V) 1, CVN 78 (Build 4.2) & CVN 72 (Build 4.1) System Assembly & Integration Only	5005001-051
4	1	AN/USQ-T46D(V) 7, LHD 1 (Build 4.1)	5005001-051
5	2	AN/USQ-T46D(V) 15, AEGIS Ashore (Build 4.1)	5005001-052

Options

Item	Qty	Description	Part/Model Number
1	1	AN/USQ-T46D(V) 3, DDG 73 (Build 4.0)	5005001-048
2	1	AN/USQ-T46D(V) 3, DDG 87 (Build 4.0)	5005001-048
3	1	AN/USQ-T46D(V) 3, DDG 66 (Build 4.0)	5005001-048
4	1	AN/USQ-T46D(V) 3, DDG 106 (Build 4.1)	5005001-051
5	1	AN/USQ-T46D(V) 3, DDG 55 (Build 4.1)	5005001-051
6	1	AN/USQ-T46D(V) 3, DDG 107 (Build 4.1)	5005001-051
7	1	AN/USQ-T46D(V) 3, DDG 60 (Build 4.1)	5005001-051
8	1	AN/USQ-T46D(V) 3, DDG 110 (Build 4.1)	5005001-051
9	1	AN/USQ-T46D(V) 3, DDG 116 (Build 4.1)	5005001-051
10	1	AN/USQ-T46D(V) 2, CG 56 (Build 4.1)	5005001-050
11	1	AN/USQ-T46D(V) 2, CG 57 (Build 4.1)	5005001-050
12	1	AN/USQ-T46D(V) 13, LPD 27 System (Build 4.1)	5005001-051
13	1	AN/USQ-T46D(V) 8, LSD 50 System (Build 4.1)	5005001-051
14	1	AN/USQ-T46D(V) 8, LSD 52 System (Build 4.1)	5005001-051

The BFTT system wraps around the ship's combat system to simulate it in a training evolution.

Naval Surface Warfare Center, Dahlgren Division, F Department, will provide Government Furnished Property to be assembled and integration. Kontron America, Inc. shall incorporate the Government's components with Kontron America equipment, manufactured and procured, resulting in a complete training system and deliver the systems to U.S. Navy ships.

The completion date for the base and option(s) is 7 May 2014.

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

The estimated value of this acquisition is \$5,295,100. Funding will be provided as follows:

	TYPE	FY12	FY13	TOTAL
Base	SCN	\$865,370		\$865,370
Base	OPN	\$1,197,790		\$1,197,790
Base	R&D	\$255,840		\$255,840
Option	SCN		\$1,821,000	\$1,821,000
Option	OPN		\$1,155,100	\$1,155,100
Total		\$2,319,000	\$2,976,100	\$5,295,100

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

Kontron America is the only qualified source capable of meeting the Department of the Navy's current requirement i.e. fully configured to comply with on-ship systems across the fleet. In addition to being fully collaborative, Kontron incorporates a patented and proprietary military equipment rack thermal management system and wiring configuration into the BFTT system to meet the Department of the Navy's prescribed environmental performance requirements. Kontron offers the complete ruggedized chassis assembly, fully configured and tested mitigating risk upon start-up.

Only Kontron America possesses the design drawings, manufacturing processes and integration/test procedures necessary to produce the required BFTT hardware configurations (version 4.0, 4.1, 4.2) and comply with fielded simulation software (versions 3.4, 3.5B, 3.5C, 3.5.1, 5.0, 5.1).

The Government solicited AP Labs, subsidiary of Kontron, to quote a technical data package (TDP) on 4 December 2005. The Government elected not to purchase the TDP for the requested \$1,630,000 (Compliant with MIL-DTL-31000).

In the absence of the production level design and assembly drawings necessary to replicate the various configurations currently used in the production BFTT systems, soliciting another vendor's product, would cost the Government approximately \$2,525,000. Current FY12 program budget does not allocate the required funding: Software development effort (\$2,075,000), additional combat systems verification testing (\$150,000), and a complete sequence of Shock, Vibration and Electromagnetic Interference testing (\$300,000). This estimation is derived from the Constructive Cost Model II (COCOMO II), an

industry recognized tool for evaluating the cost of software development projects.

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 11 January 2012 in accordance with FAR 5.2. No responses were received as of 11 April 2012.

Market research identified two (2) entities Computadores Modulares SA and Integrated Consulting Services Inc doing business as Integrated Combat Systems; however, they do not meet the minimal requirements. Computadores produces ATR chassis which are not used in the BFTT program as well as the absence of the required Mil-S-901D shock certification. Integrated does not currently possess the production facility required to manufacture the various BFTT configurations.

7. Determination of Fair and Reasonable Costs

The Contracting Officer will determine that the anticipated cost to the Government for the BFTT system equipment covered by the J&A will be fair and reasonable.

8. Actions to Remove Barriers to Competition

NAVSEA PEO IWS7 is currently working with industry to develop a commercial off the shelf non-proprietary design for future integration and support of the BFTT T46D configuration. Sources sought as well as a pre-solicitation have been posted on Federal Business Opportunities. Responses were received by NAVSEA PEO IWS7, identifying three small businesses that appear to demonstrate the competency to perform, however, until Government owned Technical Data (inclusive of level III engineering drawings) is provided as well as environmental testing conveyed, will the determination of capability be known.

The Government currently owns/possesses the technical documentation necessary to solicit hardware assemblies similar to Kontron's fielded configuration 4.0. Dependent upon the COTS hardware selected the Government will require software re-configuration and environmental testing.

CERTIFICATIONS AND APPROVAL

TECHNICAL/REQUIREMENTS CERTIFICATION (FAR 6.303-2(b))

I certify that the facts and representations under my cognizance, which are included in this justification and its supporting data, are complete and accurate to the best of my knowledge and/belief.

[Redacted] Phone No. [Redacted] Date [Redacted]

LEGAL SUFFICIENCY REVIEW (NMCARS 5206.303(90))

I have determined this justification is legally sufficient.

[Redacted] Legal Counsel [Redacted] Phone No. [Redacted] Date [Redacted]

CONTRACTING OFFICER CERTIFICATION (FAR 6.303-2(a)(12))

I certify that this justification is accurate and complete to the best of my knowledge and belief.

[Redacted] Contracting Officer [Redacted] Phone No. [Redacted] Date [Redacted]

APPROVAL BLOCK (FAR 6.304 for Approval Official)

Upon the basis of the above justification, I hereby approve, as Competition Advocate for the Contracting Activity the solicitation of the proposed procurement described herein using other than full and open competition, pursuant to the authority of 10 U.S.C. 2304 (c)(1).

[Redacted] Patricia Canciglia, Competition Advocate [Redacted] Phone No. [Redacted] Date 16 Apr 12