DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
INDIAN HEAD EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION
3767 STRAUSS AVENUE
SUITE 201
INDIAN HEAD, MD 20640-5150

Procurement Office - Form 13 (Rev 08/13)

J&A Number: 15.0050
Code: 026

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 (NSWC) Indian Head EOD Tech Division (IHEODTD), Contracts Department, [redacted] This requirement is in support of the [redacted] NSWC IHEODTD.

2. Description of the Action Being Approved

Award a sole source contract to United Technologies Corporation Aerospace Systems (UTAS), legally known as Universal Propulsion Company (UPCO), (formerly Goodrich Corporation) for the manufacture, testing and delivery of a maximum of eight thousand (8,000) Thin Layer Explosive (TLX) lines and a maximum of one thousand six hundred (1,600) manifolds which will be installed into the T-6 Aircraft as part of the ballistic canopy fracturing initiation system (CFIS).

United Technologies Corporation
Aerospace Systems
PO Box KK
Fairfield, CA 94533

3. Description of Supplies/Services

NSWC IHEODTD Engineering Department requires the manufacture, testing and delivery of TLX and manifolds which are components in the T-6 Aircraft Ballistic CFIS project. This project is to replace the current laser system which is becoming obsolete.

[redacted]

"SOURCE SELECTION INFORMATION - SEE FAR 2.101 and 3.104"

The typical TLX line consists of [redacted] Each end of the TLX line has an externally threaded end fitting for connection to another component in the system.

A manifold is a [redacted] block which transfers the explosive signal from one TLX line to another TLX line.

The final delivery schedule is [redacted] for the base year and 9 months after each option award.

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

Estimated Dollar Value[1]

	FY15	FY16	FY17	FY18	Totals
APN	$1,750,000	1,250,000	1,250,000	1,750,000	$6,000,000

4. Statutory Authority Permitting Other Than Full and Open Competition

10 U.S.C. 2304(c)(1) as implemented by Federal Acquisition Regulation (FAR) 6.302-1: Only one responsible source and no other supplies or services will satisfy agency requirements.

5. Rationale Justifying Use of Cited Statutory Authority

A trade study was completed by the CAD/PAD Division at NSWC IHEODTD in [redacted] for the T-6 Aircraft Ballistic CFIS based upon requirements of the T-6 Aircraft Program Office, Wright Patterson Air Force Base (WPAFB), Dayton, OH.

The requirements specified from the T-6 Aircraft Program Office included that the components fit into the current attachment points so that no modifications to the aircraft are needed. The components will have the same activation method, be able to meet or exceed certain service lives and be used on U.S. manned aircraft. The CAD/PAD Division

[1] **IAW NMCARS 5206.304(a)** If the dollar value of the contract is negotiated at a level that exceeds the dollar threshold of the original justification approval authority, a new justification approval shall be obtained from the appropriate approval authority prior to award.

"SOURCE SELECTION INFORMATION - SEE FAR 2.101 and 3.104"

evaluated information of different ballistic transfer lines produced by contractors [redacted] and completed the trade study based upon the requirements. The trade study investigated [redacted] types of transfer lines, [redacted] internal initiators, and [redacted] external initiators. It resulted in recommendations for replacement components of the ballistic CFIS.

The ballistic transfer lines that were recommended by the study were TLX lines that are manufactured by and are proprietary to UTAS (legally known as Universal Propulsion Company (UPCO). They are the only TLX lines that have been confirmed through testing to meet the required system specifications on the T-6 aircraft. TLX lines must meet the design and platform specification requirements. Release to service was previously approved for UTAS's TLX and is captured on the source control drawings for this item. [redacted] Currently the new ballistic system is needed to retrofit T-6 Aircraft by [redacted] or aircraft will begin to be grounded.

The manifolds associated with the TLX lines were designed by UTAS and specifically the TLX lines in the T-6 Aircraft ballistic CFIS. The internal cavity of the manifold is designed to [redacted] of the TLX lines. The design of the manifold is critical to the performance of the TLX line. If designed or made incorrectly the TLX line will not properly function. Therefore they are proprietary to UTAS.

The manifolds and TLX lines manufactured by UTAS are the only qualified items currently available for the T-6 Aircraft.

"SOURCE SELECTION INFORMATION - SEE FAR 2.101 and 3.104"

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable

The CAD/PAD Division of NSWC Indian Head EOD Technology completed a trade study which consisted of multiple vendors and items that could possibly meet the requirements given from the T-6 Aircraft Program Office in their RFP for the project. The trade study was completed using the requirements given to CAD/PAD Division by the T-6 Aircraft Program Office. The components that met those requirements, as determined from the study, were then recommended to the T-6 Aircraft Program Office and approved for qualification testing for the T-6 aircraft. The components were then qualified to the T-6 Aircraft.

The proposed contract was synopsized on the Federal Business Opportunities (FedBizOps) website on 12/23/2014. There were no expressions of interest.

7. Determination of Fair and Reasonable Costs

The Contracting Officer has determined that the cost to the Government for the supplies/services covered by the J&A is fair and reasonable.

8. Actions to Remove Barriers to Competition

The CAD/PAD Division attempted, in the past, to second source the TLX lines [redacted] with unsuccessful results. The program was initiated in [redacted] and terminated in [redacted] after NSWC IHEODTD and the contracted company mutually agreed [redacted] to continue with further qualification efforts because that vendor was unable to produce a TLX line that was capable of meeting the specification requirements.

[redacted]

"SOURCE SELECTION INFORMATION - SEE FAR 2.101 and 3.104"

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 acquisition planning data, including Acquisition Plan No. __N/A____, except as noted herein, are complete and accurate to the best of my knowledge and belief.

TECHNICAL COGNIZANCE:

[redacted]

Signature Name (Print) and Title (Code) Phone No. Date

*REQUIREMENTS COGNIZANCE:

[redacted]

Signature Name (Print) and Title (Code) Phone No. Date

LEGAL SUFFICIENCY REVIEW (NMCARS 5206.303-90))

I have determined this justification is legally sufficient.

[redacted]

Signature Name (Print) and Title (Code) Phone No. Date

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]

APPROVAL BLOCK (FAR 6.304 for Approving Official)

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

"SOURCE SELECTION INFORMATION - SEE FAR 2.101 and 3.104"

Competition Advocate for the Procuring Activity

[redacted]

Penny S. Kennedy 2/24/15

Date

"SOURCE SELECTION INFORMATION - SEE FAR 2.101 and 3.104"

CERTIFICATIONS ON JUSTIFICATIONS AND APPROVALS (J&As)

The following signatures for technical/requirements certifications in J&As are required under the stated circumstances.

Dollar Level	Signature
	Technical Cognizance
>$650K to $85.5M	Program Manager (PM), Deputy Program Manager (DPM), Assistant Program Manager, or Equivalent
>$85.5M	PM, DPM, Equivalent, Deputy Commander/Executive Director for Directorate or Flag Officer/SES
	Requirements Cognizance
>$650K to $85.5M	PM, DPM or Equivalent
>$85.5M, or *2nd bridge to existing contract	Deputy Commander/Executive Director for Directorate or Flag Officer/SES

Very Important Notes:

1. If a single individual within the approval authority listed above has cognizance over both technical and requirements information included in the J&A, use of only one signature line is appropriate and therefore should be communicated to the PCO or Contract Specialist prior to their drafting of the J&A [*"Technical Cognizance:"* and *"Requirements Cognizance:"* should be deleted and replaced with *"Combined Technical and Requirements Cognizance:"*.]
2. If anything within the J&A is not in strict accordance with the data and/or information cited in the AP, then the differences must be fully explained in the J&A and have the Deputy Commander/Executive Director for Directorate or Flag Officer/SES sign for Requirements Cognizance.
3. For all acquisitions that do not require written APs per DFARS 207.103(d)(i) or when the APs are written so generic as to not address specific acquisitions, the thresholds are **$10M** development and **$25M** for production or services to have the Deputy Commander/Executive Director for Directorate or Flag Officer/SES sign for Requirements Cognizance.
4. Bridge contracts are defined as sole source actions entered into with the incumbent contractor in order to maintain

support when competitive procurement cannot be processed in time to meet the required award date. The following applies to all types of services contracts with the exception of contracts under the cognizance of the Naval Nuclear Propulsion Program.

a. J&As for all bridge contracts, regardless of value, will include PEO/Directorate Head/Field Activity Commanding Officer/Technical Director signature under Requirements Cognizance. Bridge J&As will also include a schedule for award of follow-on competition within Section 8 "Actions to Remove Barriers to Competition".
b. J&As for all bridge contracts greater than $10M and/or greater than 6 month period of performance, will be forwarded to SEA 00 for notification/review prior to approval by the cognizant SEA 02 SES or DASN (RD&A).
c. J&As for any subsequent bridge contracts (i.e., 2nd, 3rd bridge), regardless of value or period of performance, will be forwarded to SEA 00 for notification/review prior to approval by the cognizant SEA 02 SES or DASN (RD&A). This J&A must include rationale as to why the schedule in the initial bridge J&A was not achieved.

JUSTIFICATIONS AND APPROVAL (J&A) AUTHORITIES

Dollar Level	Signature Authority
Up to $650K	Contracting Officer
>$650K to $12.5M	Competition Advocate for the Procuring Activity
>$12.5M to $85.5M	Designee of the Head of the Procuring Activity *(See note.)*
Acquisitions over $85.5M	Navy Senior Procurement Executive

Very Important Note:
J&As drafted at NAVSEA Headquarters that fall within the Competition Advocate for the Procuring Activity threshold authority shall be prepared for submittal to the Designee of the Head of the Contracting Activity and approved by a SEA 02 SES Division Director or SEA 02 ***IAW FAR 6.304(a)(2).***

"SOURCE SELECTION INFORMATION - SEE FAR 2.101 and 3.104"