



DEPARTMENT OF THE NAVY
 NAVAL AIR WARFARE CENTER TRAINING SYSTEMS DIVISION
 12211 SCIENCE DRIVE
 ORLANDO, FLORIDA 32826-3224

IN REPLY REFER TO:

J&A Number: [REDACTED]

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

1. Contracting Activity

Naval Air Warfare Center Training Systems Division (NAWC-TSD) Orlando, FL

2. Description of the Action Being Approved

This justification and approval authorizes a portion of the Tactical Combat Training System (TCTS) Increment II (Inc II) acquisition to be specified as an item peculiar to one manufacturer. The portion of the TCTS Inc II acquisition peculiar to one manufacturer is the required use of System Integration Labs (SILs) of the Boeing Corporation (F/A-18 C/D, E/F, & EA-18G) and Lockheed Martin (F-35 B/C). This estimated value of this J&A is [REDACTED]

3. Description of Supplies/Services

The TCTS Inc II acquisition, conducted pursuant to full and open competition, involves the design, fabrication, test, and installation of the TCTS Inc II training technology. The TCTS Inc II will provide an improved environment for air combat training with requirements to provide rangeless air combat training with secure air-to-air and air-to-ground data link. TCTS Inc II will provide encryption, an enhanced threat environment, platform interfaces, including an internal mount and rack mounted subsystem capability, with applications for several Type Model Series aircraft. The TCTS Inc II Statement of Work (SOW) requires the use of SILs peculiar to The Boeing Company at China Lake, CA and Lockheed Martin at Fort Worth, TX for purposes of verifying TCTS Inc II functionality and integration.

The estimated total value of the direct source subcontracts are [REDACTED] and will be funded as set forth in the table below.

Estimated Dollar Value in Millions

	FY 18	FY 19	FY 20	FY 21	Total
RDT&E	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
APN				[REDACTED]	[REDACTED]
O&MN					[REDACTED]
Total	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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.

Government owned SILs are not available due to availability limitations. The Boeing Company and Lockheed Martin are the only known companies that possess SILs with high-fidelity interfaces for the respective aircraft which will enable the TCTS Inc II contractor to verify functionality and integration. The Lockheed Martin (OEM for F-35) and The Boeing Company (OEM for F/A-18) SILs stimulate the TCTS Inc II interface in a representative environment. The utilization of the SILs allows for the weapons simulations within an integrated environment in a simulated training exercise, which would provide the ability to perform multiple weapon engagements. The utilization of the SIL will allow for verification of TCTS Increment II integration and weapons engagement in simulated real world scenarios.

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

The proposed intent to direct source for the SILs portion was synopsised with the original TCTS Inc. III competitive requirement on the FEDBIZOPS website on 9 January 2013. In addition, efforts to promote a competitive contract approach for the TCTS Inc II requirement as a whole have included periodic postings in FEDBIZOPS, release of the TCTS Inc II System specification (and associated updates); periodic briefings at Procurement Administrative Lead Time (PALT) meetings and Government sponsored Technical Interchange Meetings. In addition, a sources sought synopsis, draft solicitation and other data essential to proposal formulation was made available via the Internet prior to release of a formal Request for Proposal. No responses were received regarding the direct source portion of the requirement. No additional market research was conducted because it is not practicable, for the reasons discussed in paragraph 5 above, for any company other than those identified herein to provide the required services. Any inquiries as a result of this notice will be given full consideration prior to award.

7. Determination of Fair and Reasonable Cost

In accordance with FAR 15.402, the Procuring Contracting Officer (PCO) shall ensure that all supplies and services provided under the authority of this J&A are procured at a fair and reasonable price. Based on historical cost data and the independent estimate completed by the government, the PCO has adequate information and background to determine fair and reasonable costs.

8. Actions to Remove Barriers to Future Competition.

To maximize competition on the overall TCTS Inc II program, the Government coordinated the SIL requirement with The Boeing Company and Lockheed Martin such that use of their respective SILs would be made available to all prospective offerors for purposes of verifying TCTS Inc II functionality and integration. Required use of The Boeing Company and Lockheed Martin SILs is a relatively minor portion of an otherwise unrestricted competitive acquisition. For the short duration that the SILs will be required, it would be cost prohibitive to invest in other sources for the development of SILs as it is estimated that a similar SIL would take several years and millions of dollars to develop. The TCTS Inc II program requires a total of approximately 20 days of SIL use for purposes of verifying TCTS Inc II functionality and integration. Other than managing availability within the Government owned SILs to accommodate any future requirements, no efforts will be made to develop alternative sources for the SILs.