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IN REPLY REFER TO:
J&A 11 8485

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

1. Contracting Activity.

Naval Air Warfare Center Weapons Division (NAWC-WD) - China Lake, CA

2. Description of the Action Being Approved.

This Class Justification and Approval (CJ&A) authorizes and approves the award of a sole source, Indefinite Delivery Indefinite Quantity contract to Digital Receiver Technology, Inc. (DRT), of Germantown, Maryland, for the procurement of Electronic Attack Systems (EAS) components to include production hardware, upgrades and modifications to hardware and software, and associated services and data. The contract will include a base year and four option years.

3. Description of Supplies/Services.

The EAS is a component of the AN/ALQ-231(V)1 Intrepid Tiger Electronic Attack System (IT II) pod and the Collaborative Online Reconnaissance Provider/Operationally Responsive Attack link (CORPORAL) pod. The NAWC-WD has a requirement to procure EAS components for the IT II which includes receiver transmitter units and antenna systems interface units that provide enemy signal collection and jamming capabilities, modifications and upgrades, and associated incidental services. Procurement quantities will be established at a total of 130 receiver transmitter units and 110 antenna systems interface units. Services to modify existing equipment are included to correct operational deficiencies and increase effectiveness in order to meet the Fleet's Overseas Contingency Operations and mission requirements. Modifications to the EAS will be required to improve jamming capabilities to counter rapidly changing threats. New threats can make the EAS ineffective unless modifications to the system are made.

This procurement is a part of the integration of Network Centric capabilities to fully enable multi-system collaboration for manned and unmanned stand in and stand off jamming capabilities for the Naval Aviation Enterprise and the Joint services.

This Indefinite Delivery Indefinite Quantity contract will have an ordering period of five years starting in January 2012 and ending January 2017 for a total value of approximately \$24,090,848. A combination of Fiscal Year (FY) 2012 through 2016 (b)(2)High

See Appendix A for Estimated Dollar Value

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.

An EAS consists of all hardware and software required to integrate the EAS into communication jamming pods and Government electronic warfare (EW) laboratories. Enemy threat systems are being developed with ever-increasing capabilities and lethal radius. Many of these threats are being proliferated to countries that pose a risk to US interests. The need for more and better airborne electronic attack (AEA) to provide jamming protection for military aircraft is growing rapidly.

Joint Electronic Attack and Capability Office (JEACO) has been tasked with the development, integration, evaluation and test of the network centric Electronic Attack (EA) System of Systems (SoS) supporting the Combatant Commands, Office of the Secretary of Defense and the Joint Forces, addressing Air, Ground and Surface EA, for manned and unmanned systems. JEACO Electronic Warfare (EW) and EA products include the AN/ALQ-231(V)1 IT II pod and CORPORAL pod. The EAS is integrated into both pods and is also used by the Government's Joint Electronic Warfare Effects Laboratory (JEWEL).

DRT developed the EAS and is the only source capable of performing this effort to meet fleet needs. The EAS was developed by DRT as a subcontractor to

(b)4

As the sole designer, developer, manufacturer and supplier of the EAS, DRT is the only firm that possesses the requisite knowledge of the EAS, its hardware and software components and its kernel technology. The EAS is an integral part of the IT II communications jamming pod. Part of the EAS system is the kernel technology, previously developed by DRT at its own expense. The kernel is the "brain" of the system and allows the hardware and software to communicate – it is an integral part of the EAS. Without the kernel, the EAS is not a functional system. DRT has granted the Government limited data rights to the software under (b)4. On 10 May 2011, the Government requested data rights which would allow a competitive procurement for EAS and DRT is not willing to provide these rights to the kernel based on a 26 May 2011 response.

The Government commenced qualification testing on the IT II pods, which included the (b)4 DRT delivered EAS, in the second quarter of 2010. Completed qualification testing included component environmental, AV-8B laboratory, Joint Electronic Warfare Effects Laboratory, Electro-Magnetic Interference, pod level environmental testing and AV-8B ground testing. Flight testing began in September 2011. Current test results have confirmed DRT's system will meet Early Operational Readiness (EOC) requirements as a part of the IT II pod. Production units for the IT II are being assembled by the Government in lieu of (b)4. As a result, the Government is procuring pod components, including the EAS, directly from the original component developers to save cost and valuable time. Failure to utilize DRT production components would negate all existing testing results and require the initiation of retest. Retest is estimated to be \$1,050,250 with a slip of at least six months and an inability to meet the IT II EOC, which would impact

operational readiness, mission effectiveness and the ability to provide the capability needed to ensure the protection of coalition ground forces.

DRT is the only firm that possesses the requisite knowledge to perform incidental services for this procurement. Modifications and updates to the EAS will be required to increase jamming capabilities to counter changing threats while in theater. The IT II will also be modified and customized to meet requirements for current and future platforms, including aircraft, helicopter and unmanned aircraft. DRT, to the exclusion of other contractors, has the unique capability to execute the required on-going incidental services.

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

In accordance with FAR 5.201(b)(1), this requirement was synopsisized via the Federal Business Opportunities website on 18 August 2011. No responses or inquiries have been received. Any future responses will be evaluated by the Contracting Officer prior to award.

7. Determination of Fair and Reasonable Cost.

In accordance with FAR 15.402(a), the Contracting Officer shall ensure that all supplies and support are procured at a fair and reasonable price. Analysis of the proposal will be performed by technical analysts and the contract specialist, with the assistance of DCMA analysts and DCAA auditors as needed. The Contracting Officer will analyze the various cost elements that are presented in the proposal, as well as review the actuals from previous procurements. The Procuring Contracting Officer (PCO) will use Government expertise, including DCMA, DCAA, the PMA and other Government resources, to evaluate the proposed material, labor and subcontract positions. A detailed report developed as part of the Government evaluation will be utilized to establish a NAVAIR position. There is not currently a rate agreement in place between DRT and DCMA for the time period covered under this procurement. The PCO will work with DCMA to establish a rate position for this contract. As discussed in this paragraph, the PCO will use cost and price analysis as the basis for negotiating a fair and reasonable price for the supplies and support covered by this J&A.

8. Actions to Remove Barriers to Future Competition.

None at this time. Based on the rationale identified in paragraph 5, the efforts under this J&A are sole source to Digital Receiver Technology, Inc.

Appendix A

Estimated Dollar Value In Thousands

	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Total
(b)(2)High								
								\$ 24090 k