DEPARTMENT OF THE NAVY
NAVAL AIR WARFARE CENTER WEAPONS DIVISION
1 ADMINISTRATION CIRCLE
CHINA LAKE CA 93555-6100
575 I AVENUE SUITE 1
POINT MUGU CA 93042-5049

IN REPLY REFER TO
I&A_12_22164

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 justification and approval authorizes and approves the award of a new contract to Rockwell Collins, Inc. Government Systems (Rockwell Collins), in support of the Joint Electronic Attack Compatibility Office, Intrepid Tiger II program for Point Mugu, CA.

3. Description of Supplies/Services.

This contract provides Rockwell Collins' Quint Network Technology (QNT) radio terminals (QNT-200 radio terminal). The QNT-200 radio terminal provides Internet Protocol network connectivity and is integrated into communication jamming pods and Electronic Warfare (EW) laboratories. This contract also provides incidental equipment modification services for the QNT-200 radio terminals. These efforts will include: systems engineering analysis; performing trade-off studies; developing concepts, specifications and planning documents; developing, fabricating, and integrating new prototype antenna systems specific to platform requirements; modifying existing antenna systems specific to platform requirements; supporting laboratory and flight performance testing, functional testing, environmental testing, product qualification testing and field testing; by analyzing, evaluating, troubleshooting, and recommending corrective actions for identified deficiencies. These services will directly support periodic updates to the QNT-200 radio terminals to correct operational deficiencies and increase effectiveness in order to meet the fleet's mission requirements.

This is a new requirement. To date, QNT-200 radio terminals for Intrepid Tiger II (IT II) Early Engineering Development Models (EDMs) have been obtained from Rockwell Collins as a vendor to L-3 Communications (N68936-08-D-0027) and as a vendor to Computer Sciences Corporation under a U.S. Army task order issued by Fort Monmouth, New Jersey (DAAB07-03-B007).

This will be an Indefinite Delivery, Indefinite Quantity (IDIQ) contract, with Firm Fixed Price (FFP) and Cost Plus Fixed Fee (CPFF) line items. The ordering period will be five years, starting approximately March 2012 and ending approximately March 2017. The estimated value of the contract is $11,218,628.

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.

The Intrepid Tiger I pod was fielded in 2005 and became functionally obsolete in 2007. Overseas Contingency Operations funding was provided for refurbishment and technology upgrade of the Intrepid Tiger electronic warfare pods currently in use in Operation Iraqi Freedom by United States Marine Corp F/A-18 and AV-8B squadron. High OPTEMPO and harsh operating environments necessitated the refurbishment and technology refresh of all Intrepid Tiger EW contingency pods. Threat changes and adaptation required redesigned pod capability to improve performance to keep the capability combat effective. Accordingly, in May 2009 the Intrepid Tiger II (IT II) program was launched.

Upon initial fielding, Engineering Development Model (EDM) IT II Pods were developed with the Enhanced Position Location Reporting System (EPLRS). Unfortunately, the EPLRS antenna's functional capability did not meet digital or interoperable requirements. In August 2010, Headquarters Marine Corps determined a transition to the QNT and tactical targeting network technology (TTNT) solution based on maintaining compatibility with Air Force and Army initiatives and taking advantage of the investments and technological advancements as a result of those initiatives. The selection of the QNT 200 radio terminals was also based on extensive scientific testing and research by the Defense Advanced Research Projects Agency (DARPA) and Air Force Material Command (AFMC).

DARPA and AFMC began market research in 2000, in the form of industry days and joint symposiums with Government and industry experts. These meetings were regarding emergent Quint Network Technology and Tactical Targeting Network Technology (TTNT) and were held in an effort to find a provider of more capable and faster network connectivity for EW systems. Rockwell Collins was one of five different companies that were awarded a phase 1 contract (F33615-01-C-1856) for research and development of QNT and TTNT technologies. As a result of extensive testing by the AFMC, U.S. Navy and U.S. Marine Corps., Rockwell Collins was down-selected as the developer of QNT & TTNT technologies (including the prototype QNT radio terminal). A sole source, $45,000,000 IDIQ contract was issued to Rockwell Collins in September 2006 for further QNT and TTNT development (FA8650-06-D-7636). NAVAIR is procuring production QNT-200 radio terminals directly from the original developer to save cost and time. Rockwell Collins is the sole designer, developer, manufacturer and provider of the QNT-200 radio terminals in support of the AN/ALQ-231(V)1 Intrepid Tiger Electronic Attack System (IT II).

To date, five IT II EDM pods have been developed, integrated, fully-qualified, and tested by the Government using the Rockwell Collins QNT-200 radio terminals. Failure to utilize Rockwell Collins QNT-200 radio terminals would negate all existing testing results and require the initiation of retest. A retest of radios by JEACO with alternative technology is estimated to cost in excess of $980,000 and would result in a schedule slip of at least six months. A schedule slip will lead to an inability to meet the Intrepid Tiger II early operational capability (EOC)

by the end of first quarter of fiscal year 2012. Any slide in EOC impacts operational readiness, mission effectiveness and the ability to provide the capability needed to ensure the protection of coalition ground forces.

Upgrades to QNT-200 radio terminal may be required to improve jamming capabilities to counter the rapidly changing world threats. Adapting the system to the fleet's changing operational requirements is a critical necessity. As the sole manufacturer and provider of the QNT-200 radio terminals, Rockwell Collins is the only firm that possesses the requisite knowledge of the platforms and weapon systems to perform the incidental equipment modification efforts described in the Statement of Work (SOW) associated with this proposed procurement.

In accordance with FAR 6.302-1(b)(1)(i), only Rockwell Collins, is the sole developer, manufacturer and provider of the QNT-200 radio terminals in support of the AN/ALQ-231(V)1 Intrepid Tiger Electronic Attack System (IT II) and is the only firm which, possesses the unique capability and expertise that can satisfy the needs of the Government.

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

In accordance with FAR 5.201(b)(1) a pre-solicitation notice was posted on the Federal Business Opportunities (FEDBIZOPPS) website on 21 October, 2011. No responses or inquiries have been received. Any future responses will be evaluated by the Contracting Officer.

7. Determination of Fair and Reasonable Cost.

In accordance with FAR 15.402(a), the Contracting Officer must 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 contract specialists, 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 actual costs incurred from previous procurements. The Procuring Contracting Officer (PCO) will use Government expertise, including DCMA, DCAA, the PMA; and other Government resources, to evaluate the proposal's 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 Rockwell Collins, Inc. and DCMA for the time period covered under this procurement. The PCO will work with DCMA and DCAA 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/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 five, the efforts under this J&A are sole source to Rockwell Collins Inc., Government Systems.

Appendix A

Estimated Dollar Value in Thousands

	FY-12	FY-13	FY-14	FY-15	FY-16	TOTAL
OMN	[redacted]					
RDT&E						
APN						
TOTAL	$2,114	$2,177	$2,242	$2,308	$2,377	$11,219

FOIA Ex (b)(2)High