

**JUSTIFICATION & APPROVAL FOR
USE OF SOLE SOURCE**

I. CONTRACTING ACTIVITY

802 CONS/LGC, 1655 Selfridge Ave, Lackland AFB TX 78236-5253; 24th Air Force, 467 Moore Street, San Antonio, TX 78243.

II. DESCRIPTION OF ACTION BEING PROCESSED

Request specified sole source be procured for the acquisition of equipment for the 688th Information Operations Wing (IOW). Procurement of this new equipment will result in a firm fixed priced contract between the Government and Digital Receiver Technologies, Inc. supplying the specified sole source requested. Equipment supports the mission of the 688th IOW, which is to protect information, protect assets from certain forms of electronic attacks by hostile individuals, organizations, and/or governments.

III. DESCRIPTION OF THE SUPPLIES/SERVICES REQUIRED TO MEET THE AGENCIES NEEDS

Under the contemplated order, equipment will be purchased directly from Digital Receiver Technologies, Inc. (DRT), since they have no authorized distributors.

CLIN 0001 DRT Model #1183C-024 Wireless Receiver including system cables, antennas, manual, and embedded/graphical user interface (GUI) software for all supported wireless formats from DRT.

The DRT Wireless Receiver is required for support in development, testing, and delivery of NOWIRE wireless attack tools. DRT has become the standard for many wireless application used in theater.

The

delivery of supplies will be NLT 30 SEP 2012.

IV. DESCRIPTION OF SOLE SOURCE JUSTIFICATION

The DRT 1183C-044 Wireless Receiver is a Software Defined Radio (SDR) that eight tuner Radio Frequency (RF) channels that have 20-3000 MHz of coverage with 128 channels of processing using 4 Wideband Processor Modules.

The 688th IOW of the 24th AF has the mission to protect information, protect assets from certain forms of electronic attacks by hostile individuals, organizations, and/or

governments. The mission, as defined by JCS MOP 30 and DOD Directive TS-3600.1, was assigned to the 688th IOW upon standup in August 2008. DOD Directive TS-3600.1, Information Warfare, defines, establishes policy and assigns responsibilities for Information Warfare, Information Warfare applies to both the information being processed and the information systems performing the processing for all functions (information protection, intelligence , mission support) that are part of military operations. JCS MOP states, "Command and Control Warfare is the military strategy that implements Information Warfare on the battlefield." 1

The 688th IOW is tasked with purchasing the DRT 1183C-0044 Wireless Receiver. The flight is tasked with the development of offensive wireless capabilities. This requires an in-depth understanding of the radio frequency environment that is to be exploited coupled with the ability to examine a large variety of wireless protocols. Additionally, the ability to spoof wireless nodes with the same device offers a tremendous advantage in the clandestine delivery of wireless attack tools. DRT is the only manufacturer that offers this combination of wideband radio frequency coverage and spoofing capabilities in a single unit.

V. DETERMINATION BY THE CONTRACTING OFFICER THAT THE ANTICIPATED COST TO THE GOVERNMENT WILL BE FAIR AND REASONABLE

DRT does not have any authorized distributors, therefore, the equipment is proprietary to the company. This will ensure price competition among vendors. Due to the information protection mission of the 688th IOW, DRT is the only manufacturer that offers a combination of wideband radio frequency coverage and spoofing capabilities in a single unit. Purchasing a single unit, is a significant cost savings to the government as well as a cost savings for implementation and training. If the government were to purchase other equipment, it would result in significant costs for separate systems rather than one unit that can perform all functions. Also, there would be significant costs associated with the disruption of the mission to replace this equipment. Therefore, it is in the best interest of the government to restrict competition to DRT.

VI. ANY OTHER FACTS SUPPORTING THE USE OF OTHER THAN FULL AND OPEN COMPETITION: N/A

VII. STEPS TO FOSTER COMPETITION

DRT is the only company that sells this product and there are no authorized distributors. It is proprietary to the DRT company. Further market research will be conducted if this procurement is needed in the future to check the market to ensure if other units are offered that offer the dual wireband radio frequency coverage and spoofing capabilities.

VIII. TECHNICAL REQUIREMENT PERSONNEL CERTIFICATION

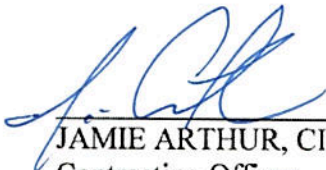
In accordance with FAR 6.302-1, the signature below represents a certification that the justification is accurate and complete to the best of the 688th IOW knowledge and belief. Technical POC for this effort is Sam Birch, DSN 969-6346.



KEVIN COUSIN, PhD, Lt Col, USAF
Director of Operations
90 IOS

IX. CONTRACTING OFFICER'S CERTIFICATION

I hereby determine that the anticipated cost for this contract action will be fair and reasonable and provide the basis for this determination. I certify that this J&A is accurate and complete to the best of my knowledge and belief.



JAMIE ARTHUR, CIV, DAF
Contracting Officer