



'07 AUG 22 10:52

# STATE PROCUREMENT OFFICE NOTICE & REQUEST FOR SOLE SOURCE

- 1. TO: Chief Procurement Officer
- 2. FROM: Department Of Public Safety/Sheriff Division  
Department/Division/Agency

Pursuant to §103D-306, HRS, and Subchapter 9, Chapter 3-122, HAR, the Department requests sole source approval to purchase the following:

3. Description of goods, services, or construction:  
 Engineer, furnish, and install one monitored, hot standby, OC-3 capacity digital microwave RADIO LINK and SONET MULTIPLEXER and interconnect these components into the existing radio and multiplexer interface, power, orderwire, monitoring, and management environment without disruption. Deliverables include related items such as, but not limited to, additional multiplexer plug-in cards, DSX jackfields, DC power systems, waveguide components, and equipment racks and cabinets. Services to be provided include, but are not limited to, frequency coordination and licensing, factory system integration, customer factory acceptance test, and the installation, field testing, optimization, and programming of radios, multiplexer and/or multiplexer components, and DC power systems.

4. Vendor Name: Harris Stratex Networks  
 Address: 350 Twin Dolphin Drive  
 Redwood Shores, CA 94065-1421

5. Price:  
\$198,962.00

6. Term of Contract:  
 (mm/dd/yyyy) From: 9/01/2007 To: 2/29/2008

7. Prior Sole Source Ref No. \_\_\_\_\_

8. Feature: The good, service, or construction has the following unique features, characteristics, or capabilities: The radio link will be installed to add capacity to an existing State of Hawaii microwave radio path. The radios and multiplexers currently used on that path are the same model of Harris Stratex Networks Constellation digital microwave radios and Fujitsu multiplexers requested here. The Constellation radios feature an OC-3 optical interface and wide range DC power input, and are equipped with a voice orderwire. The large shelf Fujitsu Flashwave 4100 SONET multiplexer and multiplexer card assemblies are identical to or directly compatible with the Fujitsu multiplexers currently in use on the HAWAIIAN and Anuenue digital microwave systems and the laser system that links State, federal, and local first responders in Honolulu. The radios, multiplexer, and multiplexer cards will seamlessly integrate with or into the existing units through use of compatible microwave expansion ports, direct plug in of expansion cards, direct connection into existing system monitoring and management software (FARSCAN and FLEXR GT), and direct connection to the existing orderwire. Use of hardware and software already employed by the State to maintain and manage the custom or specialized components, assemblies, cards, and sub-systems that make up the digital microwave radios and the SONET multiplexers means that the purchase of additional multiplexers, additional spares, new management software, and re-training of system maintenance personnel is not required. Also, the radio rooms do not have space to support the additional multiplexer chassis that would be required to use a new chassis to support other than Fujitsu brand cards. Finally, these links will directly connect to the existing Constellation 11-155 OC-3 radio between Round Top and Pearl Harbor.

9. Essential features. How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work: The equipment requested here must be installed and integrated without disruption into existing communications systems, radio systems, and multiplexers. The communications facilities provided by this radio link and multiplexer will permit the cross connection of State, federal, and local communication links (provided by microwave, free space optics, and fiber optics systems) to directly support radio system interoperability. In addition to supporting interoperable land mobile radio system interconnections, the high capacity links provided will permit the exchange of data and video important to homeland security and law enforcement activities. Because of the critical nature of these systems and the missions they support it is essential that they be "plug and play" with existing management and monitoring systems, are supported by existing spares inventories, and are capable of maintenance and repair by existing personnel.

11. Alternate source. The following other possible sources for the good, service, or construction were investigated but do not meet our needs because: No other vendors exist that can provide hardware or systems with the custom and/or specialized microwave expansion port, electrical, and optical interfaces, compatible plug-in cards, systems that operate with the State's existing software for control and monitoring and be compatible with existing voice orderwire systems. No other vendor known to us can meet the requirement to install these equipment and communications facilities without disruption to existing systems and communications links.

12. Direct any inquiries to:

Department: DAGS/ICSD  
 Contact Name/Title: Robert J. Hlivak, Radio Engineer

13 Phone Number:

808-586-1930 x613  
 Fax Number:  
808-586-1962

Expenditure may be processed with a purchase order: Yes   No If no, a contract must be executed and funds certified.

Agency shall ensure adherence to applicable administrative and statutory requirements.

14. ***I certify that the information provided above is to the best of my knowledge, true, correct and that the goods, services, or construction are available through only one source.***

*Clayton A. Frank*

*9/05/07*

Department Head Clayton A. Frank, Interim Director

Date

Reserved for SPO Use Only

15 Date Notice Posted: 09/07/2007

Submit written objections to this intent to issue a sole source contract within seven calendar days or as otherwise allowed from the above posted date to:

Chief Procurement Officer  
 State Procurement Office  
 P.O. Box 119  
 Honolulu, Hawaii 96810-0119

16. Chief Procurement Officer's comments:

[Empty box for Chief Procurement Officer's comments]

17.

APPROVED  DISAPPROVED  NO ACTION REQUIRED

Alan S. Fajal 9/14/07  
Chief Procurement Officer Date

07 AUG 22 10 52