

**STATE OF HAWAII**  
**REQUEST FOR SOLE SOURCE**

APR 12 P3:57

TO: Chief Procurement Officer

STATE PROCUREMENT OFFICE  
 STATE OF HAWAII

FROM: Department of Accounting and General Services, Division of Public Works  
 (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:

**Description of goods, services, or construction:**

Turnkey installation and integration into existing networks of SONET based digital microwave radio systems and their components, including, but not limited to network management and control elements, SONET OC-3 rate radio terminals, large harsh-environment microwave dish antennas, antenna system components (including waveguide, connectors, and accessories), SONET payload multiplexers, distribution panels and interconnecting cables, earthquake rated equipment racks, engineering and installation services, and spare parts. The Information and Communication Services Division (ICSD) of DAGS requires the installation and integration of these microwave radio systems for the three projects: Act 177 SLH 2002 (Item 7A) HAWAIIAN Microwave Modernization, Statewide (Oahu 18 GHz radio upgrade portion only); Act 177 SLH 2002 (Item 7) Anuenue (formerly Rainbow) Radio Facilities and Towers, Statewide (ICSD portion of Anuenue); and Act 282 SLH 2000 (Item 11, Project C33) Interagency (Rainbow (now Anuenue)) Microwave Network Modernization, Statewide (for State Civil Defense requirements).

Name of Vendor: Address:	Harris Corp., Microwave Communications Div.	Estimated Cost: Total \$ 2,828,501.97
	350 Twin Dolphin Drive	HAWAIIAN Modernization =
	Redwood Shores, CA 94065-1421	\$ 752,445.95
		Anuenue (ICSD) = \$ 1,576,665.04
		Anuenue (State CD) = \$ 499,390.98

Term of Contract:	From: June 2004	To: June 2005	Prior Sole Source Reference No.:
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**The goods, services, or construction has the following unique features, characteristics, or capabilities:**

Note: The ICSD HAWAIIAN digital microwave radio system, and the Harris digital radio equipment that comprise its statewide communications links, are a critical component of the State's communications system. The HAWAIIAN Harris equipment carries digital data, telephone, and video conferencing for State agencies in locations ranging from Lihue to Hilo. The Anuenue is a cooperative statewide effort by the State and the U.S. Coast Guard to provide inter-island digital communications in support of homeland security, emergency response, law enforcement, public safety, search and rescue, and disaster and environmental catastrophe response missions. The Anuenue and HAWAIIAN are different, independent projects that are separately funded; they are listed together in this request because both projects use similar systems and equipment that are designed, furnished, and installed by the Harris Microwave Communications Division.

The requested systems and components are replacements for (HAWAIIAN) or extensions to existing (Anuenue) radio networks. The requested systems and components will interface without modification to the existing mix of network payload interfaces at T1, DS3 (custom interface), OC-3, and OC-12 rates. Installation of the requested systems will also permit the use of the existing State (HAWAIIAN) and U.S. Coast Guard (Anuenue) network control, monitoring, and alarm hardware, software, and connections without modification or other additional expense or training. Selection of the requested equipment is required to maintain the uninterrupted operation of the HAWAIIAN digital microwave radio system. Selection of the requested equipment for the Anuenue is required in order to receive continuing monitoring and maintenance of the entire Anuenue system by the U.S. Coast Guard at no charge to the State.

How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work:

The system engineering, design, manufacturing, installation, and integration of the custom and/or specialized components, assemblies, cards, and proper interconnection of the sub-systems that make up the HAWAIIAN and Anuenue digital microwave radio systems are only available from the original equipment manufacturer of these systems.

The following other possible sources for the goods, services, or construction were investigated but do not meet our needs because:

The required systems can only be provided by Harris Corporation, Microwave Communications Div.

Direct questions to: Daniel Jandoc, Public Works Div., Project Management Br. Phone: 586-0476

Robert J. Hlivak, ICS Division Phone: 586-1930 x013

*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.*

*Russ K. Saito*

*4/8/04*

Department Head or Designee

Date

Title (If other than Department Head)

Chief Procurement Officer's comments:

Please ensure compliance with subchapter 15, Chapter 3-122, HAR, on cost or pricing data requirements for this sole source contract expected to exceed \$100,000.

Please ensure adherence to applicable administrative and statutory requirements.

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

APPROVED  DISAPPROVED

*Charles P. Ayler* *4/27/04*  
Chief Procurement Officer Date

