

PROJECTSCURRENT
PROJECTS

ACTIVITIES

PAST PROJECTS
& ACTIVITIES**CURRENT PROJECTS**

Summary of Selected Telecommunications and Information Projects

The following describes some of the current projects of the PEACESAT Program and Telecommunications and Information Policy Group, Social Science Research Institute, University of Hawaii.

PROJECTS

- 2002-2004 - Pacific Missile Range Facility, Kokee Park Geophysical Observatory Link
- 2003-2004 - Ministry of Health and Environment, Republic of the Marshall Islands
- 2003-2004 - Palau National Emergency Management Office Data Connection
- 2003-2004 - Pacific Island Digital Opportunity (PIDO)
- 2003-2004 - PEACESAT Technical Options Study (TOS)

KPGO/PMRF Connection to PEACESAT HQ

DESCRIPTION: An interfacility link is being established between the PEACESAT Hub Site at the University of Hawaii at Manoa and the PEACESAT TT&C earth station at the Kokee Park Geophysical Observatory (KPGO) and the Pacific Missile Range Facilities to increase network reliability and maximize available resources. This will establish a back-up connection for the Network Hub located at the University of Hawaii at Manoa. PEACESAT and PMRF entered into a Memorandum of Agreement for shared use of telecommunication capacity. PMRF donated a 3Mbps link for this project and a pair of dark single-mode fiber between the ITT Kokee site and the KPGO Hub Site building.

Project Managers : Ryan Hirae, PEACESAT HQ; Kaina Lingaton, PEACESAT HQ

Ministry of Health and Environment, Republic of the Marshall Islands

DESCRIPTION: PEACESAT is working MOHE and Pacific Health Research Institute (PHRI) in maximizing the PEACESAT data connection by implementing sequence reduction technology. PHRI funded the technology required for this upgrade.

There are two PEACESAT earth stations in the Republic of the Marshall Islands, one located at the College of Marshall Islands and the other at the Emergency Operations Center. Interactive video teleconferencing is available at the college and MOHE.

Project Managers : Ricky Zheng, PEACESAT HQ; Chris Welch, PHRI

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Palau National Emergency Management Office (NEMO) Data Connection

DESCRIPTION: PEACESAT is working with NEMO in establishing an Internet data connection from their PEACESAT connection to a local area network in the NEMO office and to the Vice President's office.

Pacific Island Digital Opportunity (PIDO)

DESCRIPTION: PEACESAT will undertake secretariat work and conduct meetings and workshops as part of the PIDO research project. PIDO is a self-funded initiative of the Sasakawa Pacific Islands Nation Fund. The purpose of the PIDO project is to raise awareness of Pacific Island Information Communication Technology (ICT) policy makers and donor organizations, recommend and suggest ICT policy for the region, and further the Pacific Island region's ICT efforts in the international arena.

FUNDING ORGANIZATION: Sasakawa Pacific Island Nations Fund

PRINCIPAL INVESTIGATORS: Norman H. Okamura, Christina Higa

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PEACESAT Technical Options Study (TOS)

DESCRIPTION: The PEACESAT Technical Options Study will review the feasibility of a wide range of potential solutions from the use of the NOAA's next generation dual-axis satellites, other available weather or experimental satellites to the use of commercial satellites and fiber infrastructures. The panel of technical experts will meet with user groups, key telecommunication industry leaders, study the feasibility of the options and produce a final report with recommendations. It is anticipated that this report will provide a firm plan and technical solution for the PEACESAT Network. Following the completion of this project PEACESAT will seek funds, from appropriate funding sources, to support the implementation of the final recommendations.

This activity is in part sponsored by the Sasakawa Pacific Island Nation Fund through the University of Guam.

FUNDING ORGANIZATION: Sasakawa Pacific Island Nations Fund

PRINCIPAL INVESTIGATORS: Norman H. Okamura, Christina Higa

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University of Hawaii at Manoa • 2424 Maile Way • Saunders Hall Room 713 • Honolulu, Hawaii 96822

Tel: (808) 956-8848 • Fax: (808) 956-8019 • Email: peacesat@elele.peacesat.hawaii.edu