



# **ICT projects to improve access in Pacific**

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# What is the APT?

- Asia - Pacific Telecommunity
- Inter-Governmental Organization
- Purpose:  
To foster the development of telecommunications services and information infrastructure in Asia-Pacific region with a particular focus on less developed areas
- Established in 1979
- Secretariat: Bangkok, Thailand

# APT Members



# Membership

Current members of APT are:

- ❑ **Members (34)**

A state within the region which is a member of ESCAP

- ❑ **Associate members (4)**

A state or territory within the region which is an Associate Member of ESCAP

- ❑ **Affiliate members (116)**

A enterprise, agency, institute, organisation, or any other entity

# Key Activities of APT

- Policy & Regulation
- Technology Development & Standardization
- Radio Communications
- Network & Cyber-security
- Disaster Management
- Bridge Digital Divide
- Promote Development of ICT Service and ICT Adaption
- Capacity Building and HRD
- Intra and Inter Regional Coordination and Cooperation

*(extracts from the “STRATEGIC PLAN OF THE APT - 2009-2011”)*

# HRD Program for Exchange of ICT Researchers and Engineers

## Objective of the program

The objective of this Program is to promote the exchange of advanced ICT researchers/engineers in the Asia-Pacific region through international collaborative research projects on advanced ICT.

# HRD Program for Exchange of ICT Researchers and Engineers

## Outline of the program

This program will provide financial support of up to \$60,000 for each selected project to promote the exchange of advanced ICT researchers/engineers in Asia-Pacific region, through international collaborative research projects on advanced ICT.

## Subject field of research

- Technology for Broadband Deployment and Applications (such as e-government, e-Commerce, e-Learning, e-Health, etc.)
- Mobile Communications Technology
- New technology for Rural Telecommunications
- Others

# HRD Program for Exchange of ICT Researchers and Engineers

- APT has organized this program since 2001
- APT sends an invitation to all developing APT members annually and selects projects among proposals from APT Members that meet the criteria.
- The selected projects are financially supported by APT's Extra Budgetary Contribution from Japan.

# HRD Program for Exchange of ICT Researchers and Engineers

## Selection is conducted annually.

- APT has selected 7 projects for implementation during 2008.

## Typical Schedule (example : 2008)

<u>July</u>	APT sends invitation to APT developing Members and Associate Members.
<u>August</u>	Closing date for proposals from Members/Associate Members.
<u>December</u>	APT finish the selection in consultation with Government of Japan.
<u>October 2009</u>	The selected projects are to be completed.

The results of the projects will be reported at the relevant APT meeting for ICT development and will be posted on the APT web sites.

# HRD Programme for Exchange of ICT Researchers and Engineers

## What are the criteria for the project?

### ■ Requirements of projects

- Maximum amount of fund for each project is US\$60,000.
- Submission of proposals must be made by an APT member.
- Researchers/engineers should have sufficient ability to conduct collaborative research.
- Researchers/engineers should be available for the full period of the project.
- The research has to be carried out within the APT region.

# HRD Program for Exchange of ICT Researchers and Engineers

## How we select projects?

- Main criteria for selection
  - Output of the project shall be beneficial to the APT Members.
  - Higher priority is given to proposals involving Japanese researchers.

# HRD Program for Exchange of ICT Researchers and Engineers

## Some Expense Considerations

- Daily allowances and accommodation fees will not be paid by the APT when staff in the proposing APT members conducts the projects in their own country. Such local costs are to be borne by the member country.
- As for local costs, including domestic transportation cost within local country, it is expected that these costs will be borne by applicant's organization or other collaborative organizations as far as possible.

Please see following website for more detail.

<http://www.aptsec.org/Program/ICT/WebHRDICT/ICT-Proj.htm>

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas

## Objectives of the program

The objective of this Program is to narrow the digital divide in the Asia-Pacific region, through the promotion of pilot projects to ensure the access to ICT in rural areas of each country and to promote and develop ICT and Broadband in the region.

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas

## Outline of the program

This program will provide financial support of up to \$150,000 for each selected pilot project for establishing ICT access points and telecenters in the rural areas of APT Member countries.

## Example of the pilot projects

- Construction of multi-purpose telecenters in rural areas
- Introduction of new wireless technologies systems in rural areas
- Other topics for contributing to ICT development in rural areas employing emerging technologies

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas

- The program has been in operation since 2005.
- APT sends invitation to all developing APT members annually, and selects projects among proposals from APT Members.
- The selected projects are financially supported by APT's Extra Budgetary Contribution from Japan.

# ICT Development Programme for Supporting ICT Pilot Projects in Rural Areas

## Selection is conducted annually.

- Selection has been conducted since 2005.
- APT has selected 7 projects for implementation during 2008/9.

### Typical Schedule (example : 2008)

<u>July</u>	APT sends invitation to APT developing Members and Associate Members.
<u>August</u>	Closing date for proposals from Members/Associate Members.
<u>December</u>	APT finish the selection in consultation with Government of Japan.
<u>October 2009</u>	The selected projects are to be completed.

The results of the projects will be reported at the APT meeting related ICT development and will be posted on the relevant APT web sites.

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas(4/6)

## What is expected in the project?

### ■ Requirements of projects

- Maximum amount of funding for one project is US\$150,000.
- Project proposals must be submitted from APT Members.
- The organisations involved in the project should have sufficient ability to complete the project on time.
- Experts nominated for the project shall be available for the full period of the project
- The project has to be carried out within the APT Member countries.

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas(5/6)

## How we select projects?

- Main criteria for selection
  - Financial Support from Local Government
  - Sustainability of the Project (e.g., financial and operational aspects, adoption from the community and government policy point of view, etc.)
  - Involvement of Japanese organizations/institutions including private companies or research institutes

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas

## Some Expense Considerations

- ❑ Daily allowances and accommodation fees will not be paid by the APT when staff in the proposing APT members conducts the projects in their own country. Such local costs are to be borne by the member country.
- ❑ Local costs, including domestic transportation cost within local country, it is expected that these costs will be borne by applicant's organization or other collaborative organizations as far as possible.

Please see following website for more detail,  
[http://www.aptsec.org/Program/ICT/J3\\_Detail.htm](http://www.aptsec.org/Program/ICT/J3_Detail.htm)

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas

## 2008 Projects from the Pacific

- “Pilot Installation of Tele-center for remote education and health care in Rural Areas and the Isolated Islands in Micronesia” (FSM)
- “Rural Broadband for Young in Samoa (in shorten ‘RUBY’ Project)” (Samoa)

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas

## Pilot Installation of Telecenters for remote education and health care in Rural Areas and Isolated Islands in Micronesia

This project is to establish pilot Telecenters at selected schools in the following islands mainly for e-education, health care and local community needs.

- Pohnpei Island
- Kosrae Island
- Chuuck Island



The Network between the 3 islands will be provided by satellite, which will be moved to submarine fibre cable once the cable has been deployed.

On each island, WiFi access points will be installed.

Training will be provided for school teachers, who are also expected to provide ICT education to local people after this project is completed.

# ICT Development Program for Supporting ICT Pilot Projects in Rural Areas

## Rural Broadband for Young in Samoa ( 'RUBY' Project)

This project is to develop ICT capacity for rural young people in Samoa through following four pillars.

- Human Capacity Building
- Broadband access to the Internet
- Better teaching/learning contents
- Maintenance issue



This project plans to use low cost technology developed by Kagoshima University, Japan.

- To experiment long distance WiFi transmitting over the sea and land in order to establish broad band infrastructure.
- To create best practice tele-center as a rural development model , and
- To establish tele-center staff training center

# List of projects

(HRD Program for Exchange of ICT Researchers and Engineers)

Projects for FY 2007		
48	Development Prototype of Single Identity Number Generator supporting implementation of e-Government to Match with Society's Need	Indonesia, Japan
49	Research on IGOS LINUX Voice Command in Bahasa Indonesia to Aid People with Different Abilities and Illiteracy	Indonesia, Japan
50	Development of JAVA Mobile Application using Bluetooth technology for Rural Community Communication	Malaysia, Japan
51	Cognitive Radio and Adaptive Frequency Selection Techniques for Wireless Local Area Networks	Thailand, Japan
52	The e-health advice system with Thai herbs using an ontology	Thailand, Japan

Please see following website for more detail.

<http://www.aptsec.org/Program/ICT/WebHRDICT/ICT-Proj.htm>

# List of projects

(HRD Program for Exchange of ICT Researchers and Engineers)

Projects for FY 2008		
53	Emergency Broadband Access Network using Low Altitude Platform Station for Disaster Relief in Indonesia	Indonesia, Japan
54	Study on e-health contents enhancement for the effective utilization of ICT in Health and Medical field of Lao P.D.R. -	Lao P.D.R. , Japan
55	Development of an Emergency Medical Care Information System for Fetal ECG Monitoring	Malaysia , Japan
56	Dimensioning and Optimization of Next Generation Network (DO-NGN)	Pakistan, Japan
57	An Open Access Broadband Farm to Market Ecosystem	Philippines, Japan
58	Improving Quality of Internet Usage and Quality of Information in Intelligence Transportation System	Thailand, Japan
59	Joint Research on an Advanced Learning & Training System based on Social Networking Site service	Vietnam, Japan

Please see following website for more detail.

<http://www.aptsec.org/Program/ICT/WebHRDICT/ICT-Proj.htm>

# List of projects

(ICT Development Program for Supporting ICT Pilot Projects in Rural Areas)

## Projects for FY2007

- Pilot installation of e-health system connected from central hospital to rural community in Kandal Province, Cambodia distributed by Wireless LAN network (Cambodia)
- Pilot Study to Support Rural Education by Wireless Link (Thailand)

## Projects for FY2008

- Pilot Installation of Telecenter for remote education and health care in Rural Areas and Isolated Islands in Micronesia (FSM)
- Promotion of e-local community with ICT solution in Indonesia (Indonesia)
- Nepal Wireless Networking Project (Nepal)
- Rural Broadband for Young in Samoa ( 'RUBY' Project) (Samoa)

Please see following website for more detail.

[http://www.aptsec.org/Program/ICT/J3\\_Detail.htm](http://www.aptsec.org/Program/ICT/J3_Detail.htm)



Thank you for your attention.

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