



A secure and prosperous Pacific Community

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Presented to ITU  
Ministers meeting

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# ICT Solutions for the Pacific Plan



# Pacific Rural Internet Connectivity System (PACRICS)

An affordable Satellite solution to connect all parts of the Pacific to the Internet

Must be in rural or remote locations with no existing Internet

- ▶ Funded by Aus Aid, managed by SPC, operated by Pactel
- ▶ Small Antenna sizes, cheap and easy to install
- ▶ Low power, runs on solar
- ▶ Specifically designed for "Village ISP"
- ▶ Ideal for OLPC project

# THE PACRICS PROJECT

Launched early 2008 with Aus Aid funding

- ▶ Earth station in Hawaii
- ▶ Pre purchased satellite bandwidth
- ▶ 16 Pilots, 100 "Public Good" sites, Commercial sites
  - ▶ Pilots fully funded, inc VSAT, power, CIC, operator
  - ▶ Public Good sites funded bandwidth to end 2009
  - ▶ Commercial sites deal directly with Pacific Teleports at bulk rates
- ▶ SPC to promote RICS and prove sustainability

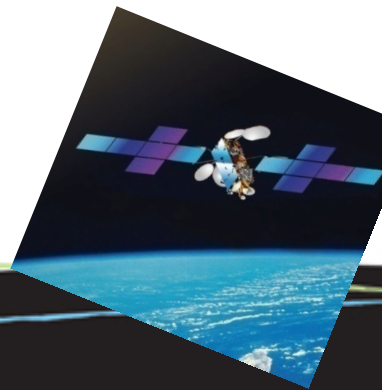
# Rapid Deployment



- ▶ **SkyEdge Terminal (max 12 lines / IP)**
- ▶ **1.2 or 1.8m dish**
- ▶ **Costs US \$3,600**
- ▶ **Fixed monthly fee of US\$200/month**
- ▶ **Power - 25W @12V**

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*SkyEdge Telecommunication services can be installed in "hours" with little training*



# Costs ?

PACRICS Prices - **CAPEX** (end-user)

**VSAT equipment** – US \$3,600 + transport (Bulk discount available)

**Solar Power** – Approx US \$6,500 for 25W @ 12V

**CIC** – Power and equipment at local prices

IP Access examples - **OPEX**

**Rural Basic Access** - 128k down, 64K up

**Approx. monthly cost USD 195**

**Small Business Access** - 256k down, 128K up

**Approx. monthly cost USD 333**

**PRO Business Access** – 512k down, 256k up

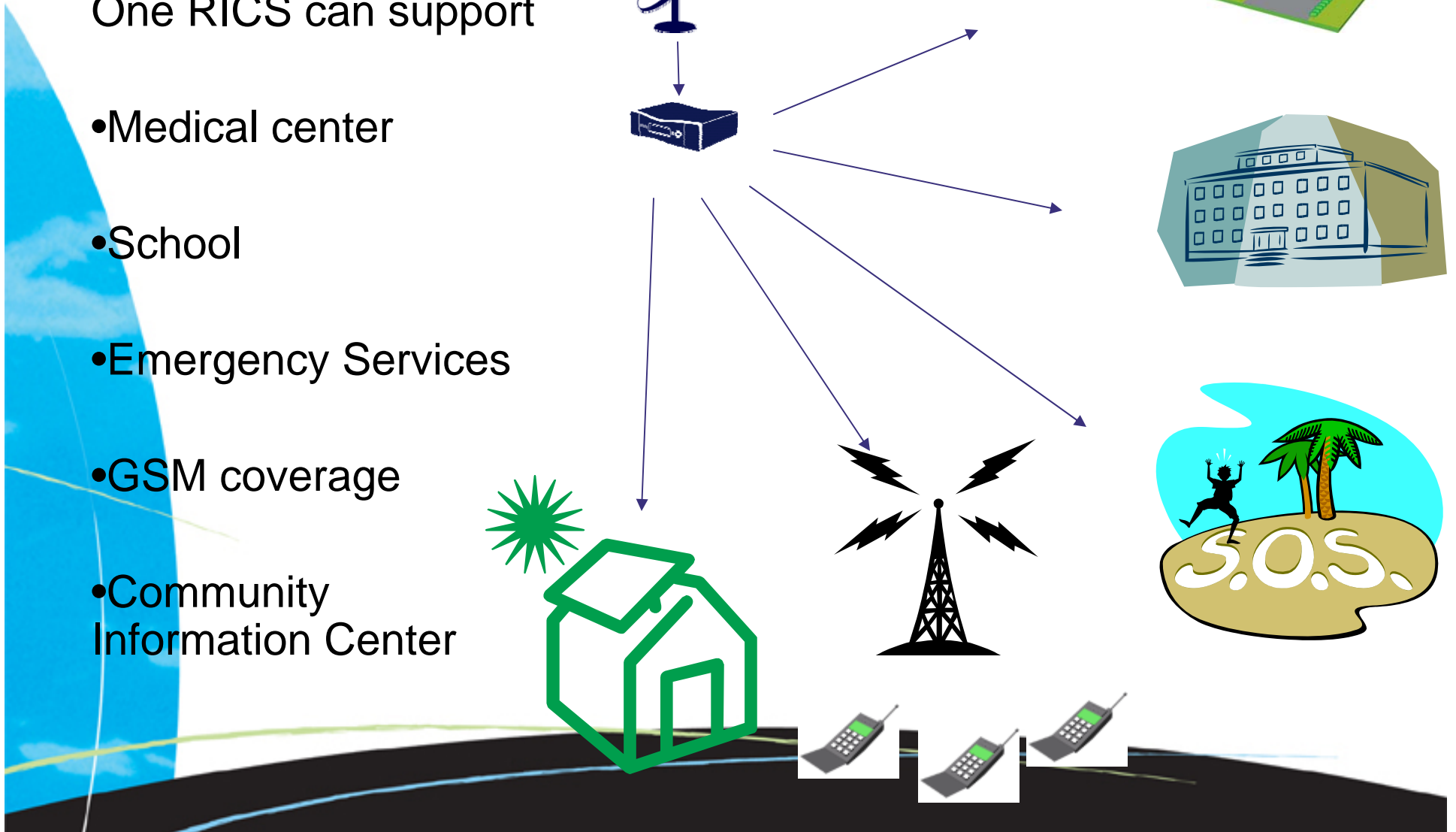
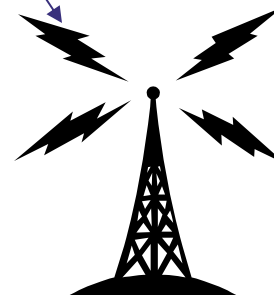
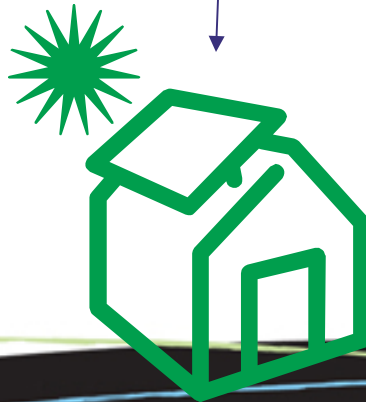
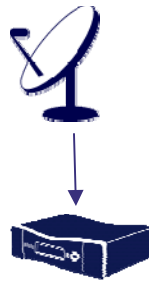
**Approx. monthly cost USD 618**

Remember, these are “always on” services, comparable to ADSL.

# Remote e-Village

One RICS can support

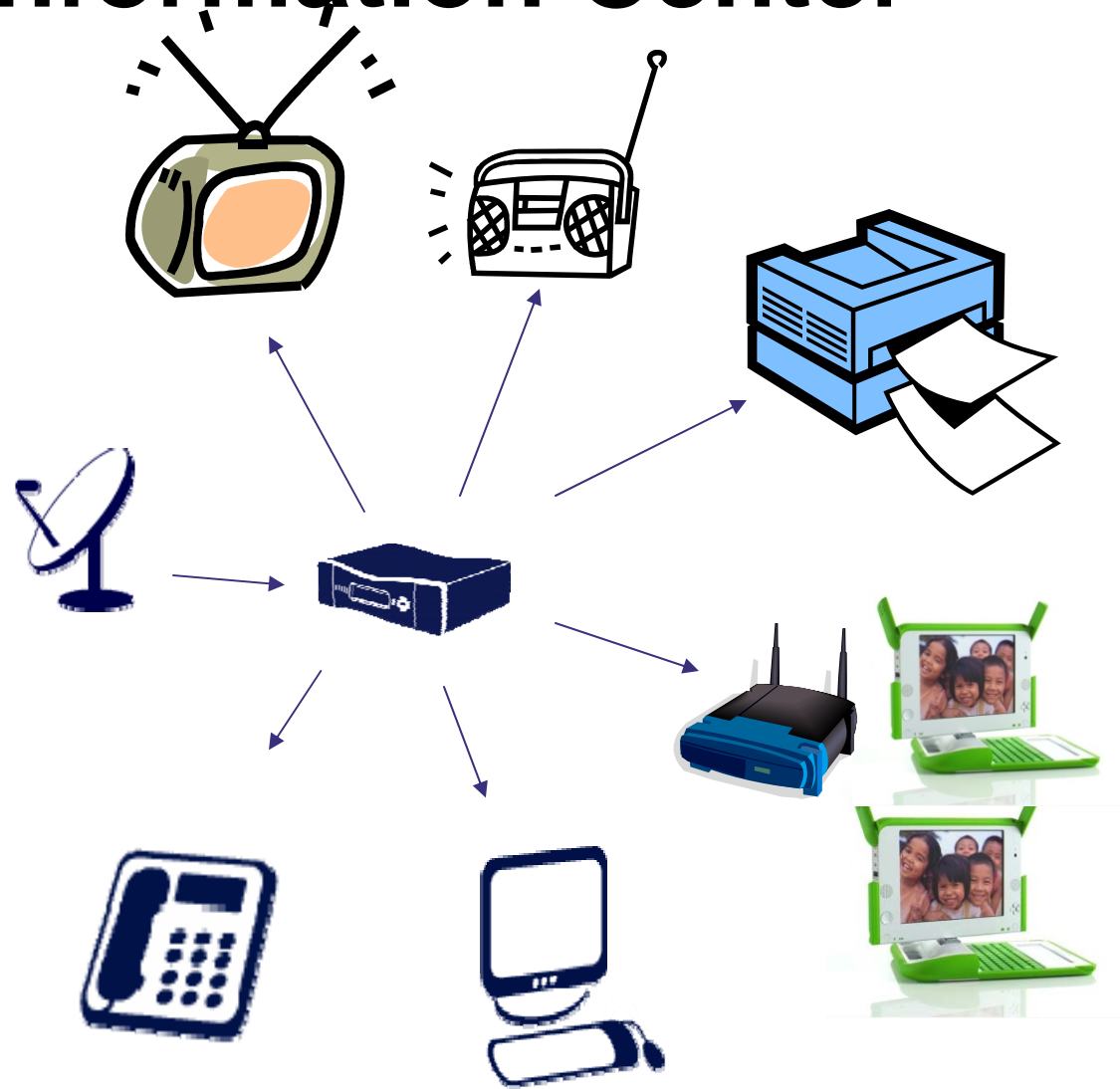
- Medical center
- School
- Emergency Services
- GSM coverage
- Community Information Center



# Community Information Center

Can provide

- Radio and TV broadcasts
- Printing
- Wifi hot spot for OLPCs
- Computer café
- VOIP phone service



# PACRICS Proposal

- Issues

- Regulation is preventing rollout
- Similar projects take 3-5 years to become sustainable
- Funding runs out this year
- New services to pilot

- Solutions

- Introduce Public Good/USO Licenses for RICS
- Step up training and establish sustainable models
- Extend project 2-3 years
- Introduce new partners