Pacific Is Countries

- a vast Oceaninc space -1/3rd of Planet
- thousands of small islands
8 Million People
20 Small Is & Developing States

Typical Access for Small Island Countries

Satellite Technology used extensively

- Inter-island and overseas communication is via satellite - Double hop for outer islands

- Some countries with up 10-15 Satellite Earth Stations

- Rough terrain also makes satellite technology being more appropriate

- So there is heavy dependence on satellites

Typical Access for Small Island Countries

Last Mile access

- Mainly copper – very expensive and costly to extend
- Wireless technology on the rise which is more cost effective but lots of challenges with terrain
- Outer Islands maintenance means technicians has to travel from 1-5 days to restore services.
- In some cases it could up to 2 weeks depending on boat availability
- Access to power is problem for rural areas and outer islands – Initiatives on solar power should be encouraged as fuel needs constant transportation
- Problem of Salinity for the small Is countries – affecting quality of services

Major problems

- SPAM is a major problem
- Block about 100,000 SPAM messages everyday. – for a small country and limited resources, this can translate to major cost
- Growing Peer to Peer traffic is becoming a major problem – music, movies & software download; Social networking – U Tube, My Space
- Restrictions of bandwidth in Day and Night packages introduced to allow priority sectors access to internet in Day

Human Resources

- Limited labour & skills
- Growing skilled labour migration overseas
- Overseas training is expensive due to the high costs of airfares and accommodation on top of the course fees.
- Holding training in the region to be ongoing aim for PITA, PacNOG and cooperation with other regional organisations, like APNIC

Pacific Islands Internet Indicators

Country	Pop	No ISP	Users	Delivery
PNG	5.7m	4	51k	LL, DU, BB
Fiji	906k	4	20.5k+	LL,DU,WL,BB,CDMA,GSM,VSAT
Solomon Is	560k	1	2k+	LL,DU,WF,DSL,BB,GSM,HF
Tahiti	275k	1	30k	LL,DU,BB,WL,VSAT
N Caledonia	264k	5	28k	DU,DSL,WL,GPRS
Vanuatu	209k	1	7.5k	DU,WL,BB
Samoa	180k	4	8k+	LL,DU.BB,WF
Kiribati	106k	2	1k+	DU,WL
Tonga	100k	2	1.2k+	DU,WL,DSL,KU VSAT TRIAL
Marshall Is	60k	1	1.5k+	DU,DSL
Palau	22k	2	3k+	DU,WL,BB,DSL
Nauru	13k	1	350+	DU,WF
W & Futuna	13k	1	710+	DU,DSL
Tuvalu	12k	2	400+	DU,WF, WLBB & DSL in progress
Cook Is	8.6k	1	1940+	LL,DU,BB,WF,WM,DSL
Norfolk	1.8k	2	450+	DU,WL,BB,LL

PITA and its partners to hold ACCESS CHALLENGES FOR PACIFIC workshop at the upcoming IGF in December (India) with inputs from Pacific Islands Service Providers, Regulators and Policy Makers, including Pacific Connectivity Study

For any inputs and interest, please contact:

Fred Christopher

Manager

Pacific Islands Telecommunications Association (PITA)

Email: pita@connect.com.fj

Thank You for your attention!!!