PacNOG Update
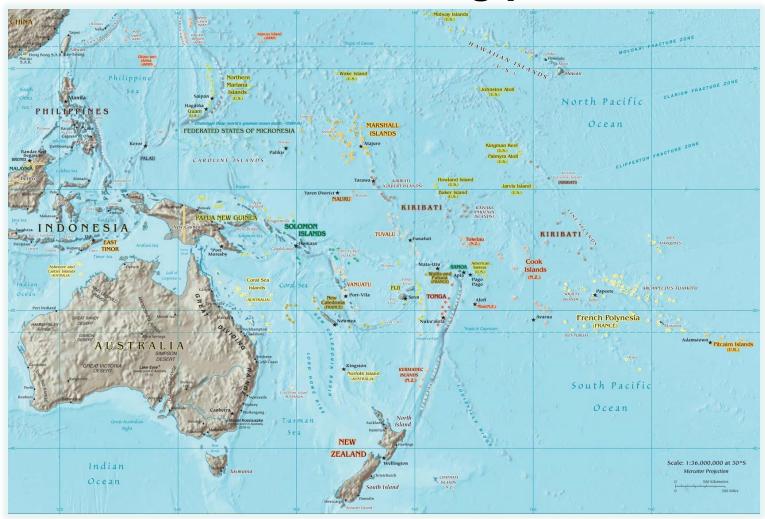## Pacific Network Operators Group

APNIC 36
Xi'an
August 2013

The Pacific Ocean is a big place…

…The Pacific Network Operators Group is trying to make it a little bit smaller by building the human & technical network.

Origins of PacNOG

- **2004:** Pre-APNIC 18 Workshop, August 2004, Nadi, Fiji
- **2005:** First PacNOG Meeting in June
  - Nadi, Fiji
  - 1 workshop over 1 week
  - **Topics:** FreeBSD, Mail and Web, Security, Routing (BGP and Multihoming)
  - Hosted by The Pacific Islands Telecommunications Association (PITA)
  - 30 participants from around the Pacific

PacNOG 1 – Nadi, Fiji, 2005

Since then…

PacNOG 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12...

– *Apia, Samoa*

– *Rarotonga, Cook Islands*

– *Port Vila, Vanuatu*

– *Papeete, French Polynesia*

– *Nadi, Fiji*

– *Pago Pago, American Samoa*

– *Kolonia, Pohnpei, Federated States of Micronesia*

– *Suva, Fiji*

– *Nouméa, New Caledonia*

– *Denarau Island, Nadi, Fiji*

– *Port Moresby, Papua New Guinea*

Welcome All Participants to the
8th PacNOG Workshop

PacNOG

NSRC
Network Startup Resource Center

Workshops topics have included:

- IPv4/IPv6 routing workshops including OSPF-BGP routing, multihoming, etc.

- Internet and network security including DNS Security

- Introduction and advanced network security and forensics

- System administration, Linux/Unix and DNS Infrastructure

- Network management and monitoring

- VoIP and telephony solutions

- ccTLD: introduction and advanced registry operations

- Internet exchange points (IXPs)

And many, many more topics during conference days

Results

Technical training provided to over 500 network technicians from Industry, Education, Government and Scientific Research Stations representing over 20 Pacific Nations, including:

American Samoa	*New Caledonia*
Australia	*New Zealand*
Cook Islands	*Niue*
French Polynesia	*Palau*
Fiji	*Papua New Guinea*
Federated States of Micronesia	*Samoa*
Guam	*Solomon Islands*
Kiribati	*Tonga*
Marshall Island	*Tuvalu*
Nauru	*Vanuatu*

PacNOG

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Key Partners

Providing financial, logistical and personnel support:

APNIC:	Asia Pacific Network Information Center
CISCO:	Cisco Systems
CYMRU:	Team Cymru
ICANN:	Internet Corporation for Assigned Names and Numbers
InternetNZ:	Internet New Zealand or .NZ
ISOC:	Internet Society
ITU:	International Telecommunications Union
NSRC:	Network Startup Resource Center
PCH:	Packet Clearing House
PITA:	Pacific Islands Telecommunications Association
USP:	The University of the South Pacific

Our Local Hosts

Without whom these events could not happen:

- Pacific Islands Telecommunication Association
- SamoaTel
- Telecom Cook Islands
- Telecom Vanuatu Ltd.
- Office des Postes et Telecommunications de Polynesie Francaise
- Telecom Fiji, Ltd.
- Blue Sky Communications
- FSM Telecommunications Corporation
- University of the South Pacific
- Japan International Cooperation Agency Regional ICT Centre
- OPT Nouvelle-Caledonie
- Telikom PNG
- Tonga Communications Corporation

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PacNOG 13, July 2013

PacNOG 13
> July 1-5th, Nuku'alofa, Tonga

- **Two concurrent workshops on:**
  - BGP Routing and IXPs
  - TCP/IP Fundamentals and Linux System Administration

- **Half day of Plenary Conference**
  - Gearing up for the Fibre Network in Tonga
  - Cook Islands Country Network
  - ADSL Service Deployment in the Solomon Islands

- **40+ participants from 12 Pacific economies**

The Future

PacNOGs 14, 15 and 16 in the works…

- **PacNOG 14:** 2-6th Dec with the University of the South Pacific in Suva, Fiji – WiFi Projects
- **2014:** In talks with several potential hosts for PacNOGs 15 and 16, including potentially two new locations.

More future

- Multiple new and upcoming fiber optic and satellite (O3b) projects in the Pacific region.

- As connectivity improves proper network infrastructure, planning and knowledge become more important.

- As connectivity improves local economies tend to mature (work opportunities, tourism, research and education).

- PacNOG's human and technical community building helps to facilitate this.

We hope to see you @ PacNOG

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