Network Operations Groups

Philip Smith
PacNOG 4
30th June 2008
Port Vila
Internet Operations Groups

- Where network engineers and operators meet their colleagues
  - Peering & Business relationships
  - Industry relationship
  - Technology discussions
  - Operational best practices
  - Compare experiences (supplier, operational,…)
  - Purchasing decisions influenced
  - Networking software features worked out
  - Employment opportunities
  - Keeping the Internet Working
Regional Network Operations Groups
North American Network Operations Group
- Evolved from NSFNET ‘Regional Techs’ meeting in 1994
- Now attracts participants from Europe and Asia too

Three meetings a year
- October meeting co-located with ARIN

Around 500 attendees
- Depends on location
- Depends on early publication of programme
NANOG (2)

- Programme
  - (two days of plenary, one day of tutorial)
  - Plenary sessions
  - Panel discussions
  - BoFs (Peering & Security are long running events)
  - Tutorials

- Website:
  - www.nanog.org
APRICOT

- Asia and Pacific Operations Conference
  - Established in 1996
  - Co-located with one APNIC meeting
- Held annually on the last week of February
- Typical attendance around 600
- Moves around AP region
  - 2009 will be in Manila
  - 2010 will be in Kuala Lumpur
APRICOT (2)

- Programme
  - 5 days of workshops
  - 4 days of tutorials and conference
    - Plenary sessions
    - Parallel streams
    - BoFs
    - AP organisations hold side meetings
  - 1 day APNIC Member Meeting

- Website:
  - www.apricot.net
AfNOG

- **African Ops Conference**
  - Established in 2000
  - Still centred around Workshops, based on the now defunct INET Workshops organised by ISOC
- Meets once per year in April/May
- Typical attendance around 100
- Moves around Africa
  - 2008 was in Rabat
  - 2009 will be in Cairo
AfNOG (2)

Programme
- 5 days of workshops
  - 4 parallel workshops including System Administration, Scalable Services and Scalable Infrastructure
- 2 days of tutorials
  - 3 parallel tutorials, usually more detailed content than the workshops
- 1 day of conference

Website:
- www.afnog.org
SANOG

- South Asia Ops Group
  - Established in 2003
- Bangladesh to Afghanistan
- Two events per year (January and July)
- Typical attendance now 250
- Moves around South Asia
  - SANOG 12 in August in Kathmandu
  - SANOG 13 in January 2009 in Lahore
  - SANOG 14 in August 2009 in Southern India
  - SANOG 15 in January 2010 in Colombo
- Yet to visit Maldives and Afghanistan
SANOG (2)

- Programme
  - 5 days of workshops - 3 parallel workshops
  - 2 days of tutorials - 3 parallel tutorials
  - 1.5 to 2 days of conference
    - Includes APNIC Policy Showcase

- Website:
  - www.sanog.org
PacNOG

- South Pacific Ops Group
- Launched after APNIC 18 in 2004
- Meets annually:
  - PacNOG 4 is in Vanuatu
- Programme
  - 5 day workshop
  - 2 day discussion/conference
- Website:
  - www.pacnog.org
MENOG

- Middle East Network Operators Group
  - Launched in April 2007
  - (Following RIPE NCC regional meeting in Bahrain in November 2006)
- Meets twice per year (April and Oct/Nov)
  - MENOG 3 was in Kuwait in April
  - Next meeting locations being planned
  - Actively participating in RIPE 57 in Dubai
MENOG (2)

- Programme
  - 2 days plenary conference
  - 1 day tutorials
- Still very early days, with future expansion being planned:
  - Decision makers meeting
  - Hands-on workshops
- Website:
  - www.menog.net
Country NOGs

- Many country NOGs
- Two deserve special mention:
  - NZNOG
  - JANOG
NZNOG

- New Zealand Operators Group
- Meets once per year
- Programme
  - 1 day of Tutorials
  - 2 days of Conference
- Around 120 participants (!)
- Informal structure, with “guides”
- Website:
  - www.nznog.org
JANOG

- Japan Network Operators Group
- Running since 1997
- Meets twice per year
- In Japanese
- 300-400 participants
- 2 days Conference
  - Wide range of topics
- Website:
  - www.janog.gr.jp
More information

- Other NOGs:
  - www.bugest.net/nogs.html

- Meeting planning:
  - “Network Education and Training Calendar of Events” maintained by the NSRC
  - ws.edu.isoc.org/calendar
  - Intention is to avoid conflicts and overlaps
New NOGs

- NOG creation is a recent phenomenon
  - Local Language
  - Local Needs
  - Local Culture

- SANOG and NZNOG are common models
  - Avoid temptation to introduce bureaucracy

- Potential new Regionals:
  - Central Asia
  - Caribbean
  - Latin America
Questions?