

Network Operations Groups

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PacNOG 4

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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



- 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



- 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



- 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?