Update of what's happening within APNIC
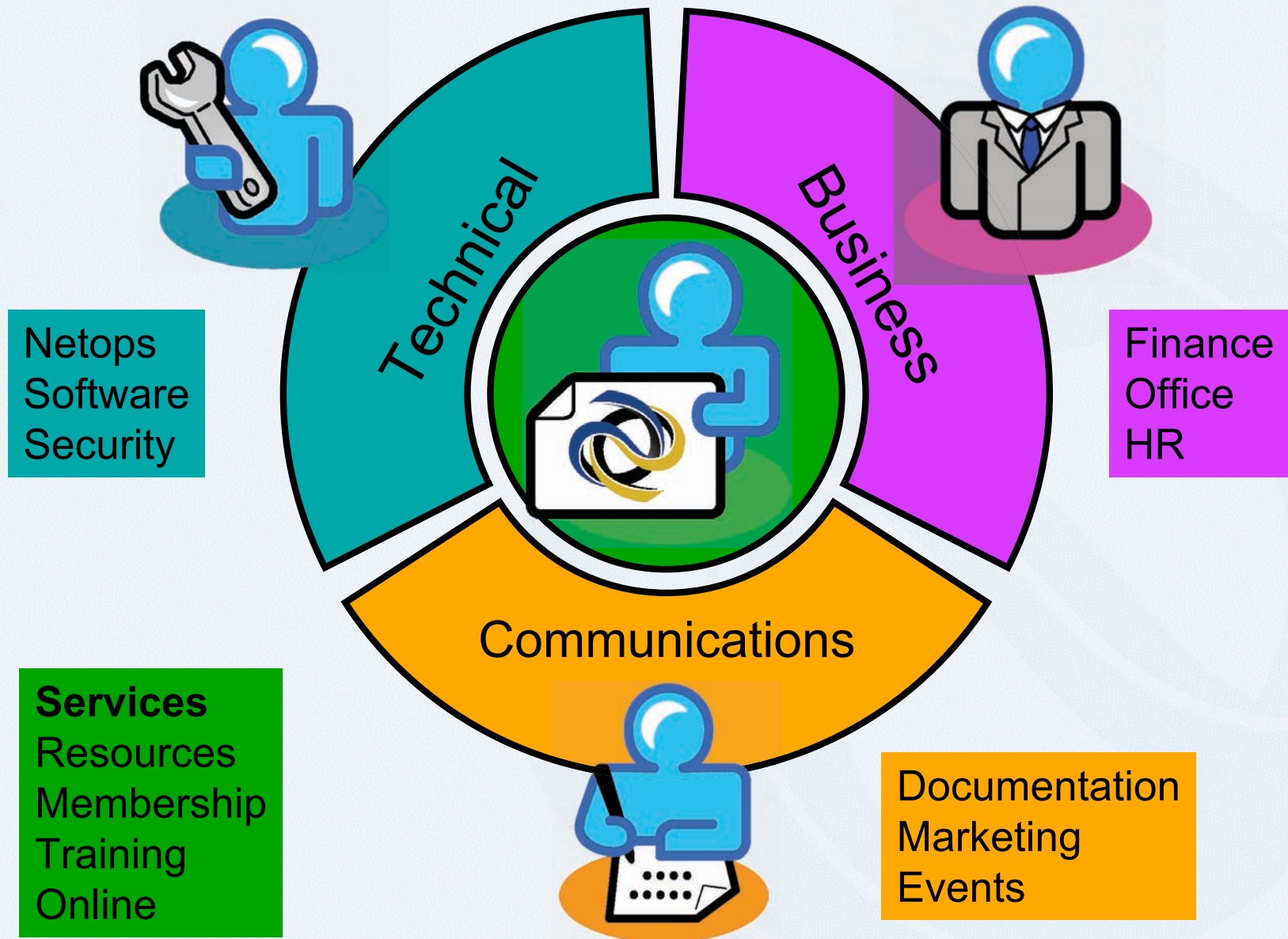
NZNOG '07

Palmerston North, New Zealand

1 February 2007

APNIC's new structure

Technical

Business

Communications

Netops
Software
Security

Finance
Office
HR

Services
Resources
Membership
Training
Online

Documentation
Marketing
Events

Services Area

- Helpdesk Unit
  - Extended helpdesk hours/days
  - Increasing demand for VoIP and "live chat"

- Resource Services Unit
  - Service improvements
  - Policy implementations

- Online Services
  - Revamped ICONS – ISP support website
  - http://icons.apnic.net

- Projects
  - "ARMS": APNIC Resource Management System
  - Public statistics service using "O3"
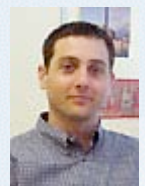
George

Guangliang

Sunny

Frank

Services Area

- ## Training and Education Unit
  - Pilot webcast of APNIC training
  - 40 training events in 18 different locations
  - Collaborative development of new training modules
    - Current courses:
      - IRM, DNS, Advanced DNS, Routing
    - Under development
      - IPv6, Security, "Understanding and analysing network traffic" etc
  - eLearning pilot modules launched

Cecil

http://elearning.apnic.net

Communications Area

- **Marketing and External Relations**
  - Multimedia & design
  - Work with Network Operator Groups
    - PACNOG, SANOG, NZNOG, PHNOG
  - MoUs for training and cooperative activities
- **Policy Unit**
  - APNIC 22, Taiwan
    - Trial of new meeting format with APOPS plenary
- **Documentation**
  - Localising online services
    - Forms and help to be in 7 languages, MyAPNIC next
  - Content Management System (CMS)
- **4th Member survey largest participation so far**
  - Results will be posted before APNIC 23

Nurani

Son

Donna

Technical Area

- ## Software Unit
  - ### Reverse DNS update
    - "Web services" – XML over https
    - Immediate success or error reporting
    - DDNS to APNIC's name servers
  - ### "Agile Programming" method
    - AKA "rapid prototyping"
    - 3-4 month review and release cycle

- ## Network Operations and Security
  - ### Services reliability, distribution and hardening
  - ### Security audit underway

- ## Resource certification
  - ### You've heard about this by now...

Byron

Terry

Siamak

Geoff

Rootservers in Asia Pacific

Recent policy changes

Policy	Change	Status
IPv6 assignment to critical infrastructure	IPv6 maximum assignment size is /32 per operator	Implemented
Lame DNS reverse delegation change	Delegated nserver fails return of authoritative answer for domain's SOA	Implemented
4-byte ASN assignments	Expand AS number space to 4-byte field	Implemented
Depreciation ip6.int reverse DNS service	Delegation of entries in ip6.int not maintained	Implemented
IPv6 portable assignment for multihoming	End sites that are multihomed assigned portable /48	To be implemented
End site allocation for IPv6	Additional address space based on 0.94 HD Ratio	To be implemented

http://www.apnic.net/docs/policy/proposals/index.html

4 byte ASNs - background

- Studies indicate exhaustion of 2 byte AS pool between 2010 and 2016
- Proposed standard to expand AS number space to a 4 byte field
  - Implementation information
    - http://www.apnic.net/docs/policy/proposals/prop-032-v002.html
  - Technical implementation
    - http://potaroo.net/ispcol/2005-08/as.html

4 byte ASN implementation

- 1 January 2007
  - 2 byte AS numbers continue to be assigned
  - 4 byte AS numbers assigned if requested
- 1 January 2009
  - 4 byte AS numbers assigned
  - 2 byte AS numbers assigned if requested
- 1 January 2010
  - Distinction between 2 and 4 byte AS numbers ceased
  - AS assignments from undifferentiated 4 byte AS number pool

Current discussions - need your input

Proposal	Change	Overview
Prop-042	Change IPv6 initial allocation criteria	Remove 200 /48 in 2yrs replace with reasonable number of assignments in 2yrs
Prop-043	Remove reference to IPv6 policy doc as "interim" policy doc	Remove reference from section 1.1 of APNIC-089
Prop-044	Remove requirement to doc multiple /48s assigned to a single end site	Remove need for this requirement
Prop-045	Modify "endsite definition to allow endsites to receive IPv6 allocations	Allow endsites that are not multihomed to receive portable IPv6 allocation

http://www.apnic.net/docs/policy/proposals/index.html

APNIC meeting

- APNIC 23, APRICOT 2007
  - Bali, Indonesia
  - 27 February - 2 March 2007
  - Tutorials, opening plenary, SIGs, social events
- Participate remotely
  - Participate in discussions, ask questions to the presenter, voice your opinion through:
  - Webcast, podcast, jabberchat, live transcripts
    - http://www.apnic.net/meetings/remote/
- Invitation letters available!
  - Come and speak to me

APNIC 23, APRICOT 2007 highlights

- Great workshops and tutorials!
  - Workshops
    - Routing & Multihoming, VOIP + IP Multicast, DNS, Security etc
    - Wednesday 21 February - Sunday 25 February
  - Tutorials
    - Security, IX, routing, Routing Registry, Resource Management etc
    - Monday & Tuesday, 26-27 February
- Interesting presentations
  - "Future of addressing" (Paul Wilson), "Route aggregation recommendations" (Philip Smith), DNSSEC deployment (George Michaelson)
    - And much more…
- All invited !!!
    - http://www.apnic.net/meetings/23/

eco APNIC

Working
sustainably

Want to know more? Please visit:

www.apnic.net/ecoapnic

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Asia Pacific Network Information Centre

ecoAPNIC...

- A staff-driven project aimed at reducing the "ecological footprint" of APNIC operations

    – Recycling

    – Paper reduction

    – Reduce energy consumption and waste

    – Look at transportation and travel

    – Monitoring and reporting

    – http://www.apnic.net/ecoapnic

Thank You

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