APNIC Funding Plan Modifications

3rd APNIC Meeting

Singapore, Jan ‘96

Overview

- Current Funding Plan
- Problems with the Current Plan
- Proposed Solutions

Current Funding Plan

- APNIC's Funding Plan based on RIPE-NCC Funding Model
  - » 3 self-determined categories of ISP Registries
  - » 1 category of non-ISP registry
  - » A flat startup fee for all organizations
- Fees are for services
  - » Failure to pay fees results in services being provided on a time available basis

Current Funding Plan (cont'd)

- APNIC Fees are:
  - » One Time Startup Fee: US $1000.00
  - » ISP Registries
    - – Yearly Fees:
      - Large ISP: US $10,000.00
      - Medium ISP: US $5,000.00
      - Small ISP: US $2,500.00
  - » Non-ISP Registry
    - – Enterprise Registry: US $1,500/year

Registry Categories - ISPs

- ISPs are allocated space to sub-assign to customers
  - » Assigned networks must be reassigned in the APNIC database before additional space can be allocated
  - » “Reasonable” address space utilization efficiency must be met
- Allocations made using “Slow Start” procedures

Non-ISP Registries

- Enterprise Registries handle address assignments within their organization only
  - » No sub-assignment outside of the organization
- Assignments made based on requirements as documented in the initial, one year, and two year host estimates of the organization network plans.

Self-Determination

- Some service providers require more services than others
  - » “Large” organizations require more than “small”
- How to measure the size of an ISP?
  - » Income?
  - » Customers?
  - » Connection to the Internet?

Self-Determination (cont'd)

- Since there is no agreed upon metric, APNIC follows RIPE's lead in letting ISPs determine their own size
  - » No penalty or benefit in service applied based on size of the ISP
  - » APNIC does provide very minor non-service benefits based on size
    - – "Advertisement space" on the APNIC directory of ISPs

Problem - Legality

- Original Funding Plan assumed payment to APNIC would be made through The Internet Society
  - » For various reasons, this approach didn't work.
- APNIC will provide services for a fee
  - » but APNIC is not a legal entity
    - – Some companies have problems paying to a non-legal entity

Proposal

- APNIC, Inc.
  - » APNIC will be incorporated in New Zealand
    - – Neutral, stable country that is entirely non-threatening
  - » APNIC Registration services will be contractually provided by APNIC, Inc. for a fee.
  - » All books will be open and made public (accessible via FTP, fax, etc.).

APNIC, Inc. Organization

- APNIC, Inc. can be composed of:
  - » Members
    - – Organizations paying for APNIC services
  - » Board of Directors
    - – Elected by the membership
  - » Executive Directorate hired by BoD
    - – To provide APNIC services and under the direct administration of the members via the BoD
- Structure is similar to the Commercial Internet Exchange

Problem - ISP Registries

- Fees are almost entirely arbitrary
  - » Roughly based on RIPE-NCC fees that may or may not be applicable to the AP region.
- Fees too high
- Fees too low

Proposal

- No change in the fees for ISPs for one year
  - » Rational: There is not enough history in the AP region to determine appropriate modification of fees. After one year, more information will be available.

Problem - Self-Determination

- Self-Determination may not encourage appropriate categorization
  - » APNIC is not a good advertising agency
  - » A large ISP in the “small” category will be subsidized by other ISPs.

Proposal

- If APNIC, Inc. is incorporated, the number of votes is determined based on the size, e.g.:
  - » Large: 4 votes
  - » Medium: 2 votes
  - » Small: 1 vote
  - » Non-ISP: 1 vote

Others?

- Problems?
- Proposals?