# APNIC Status Report

Third APNIC Meeting

Singapore ‘96

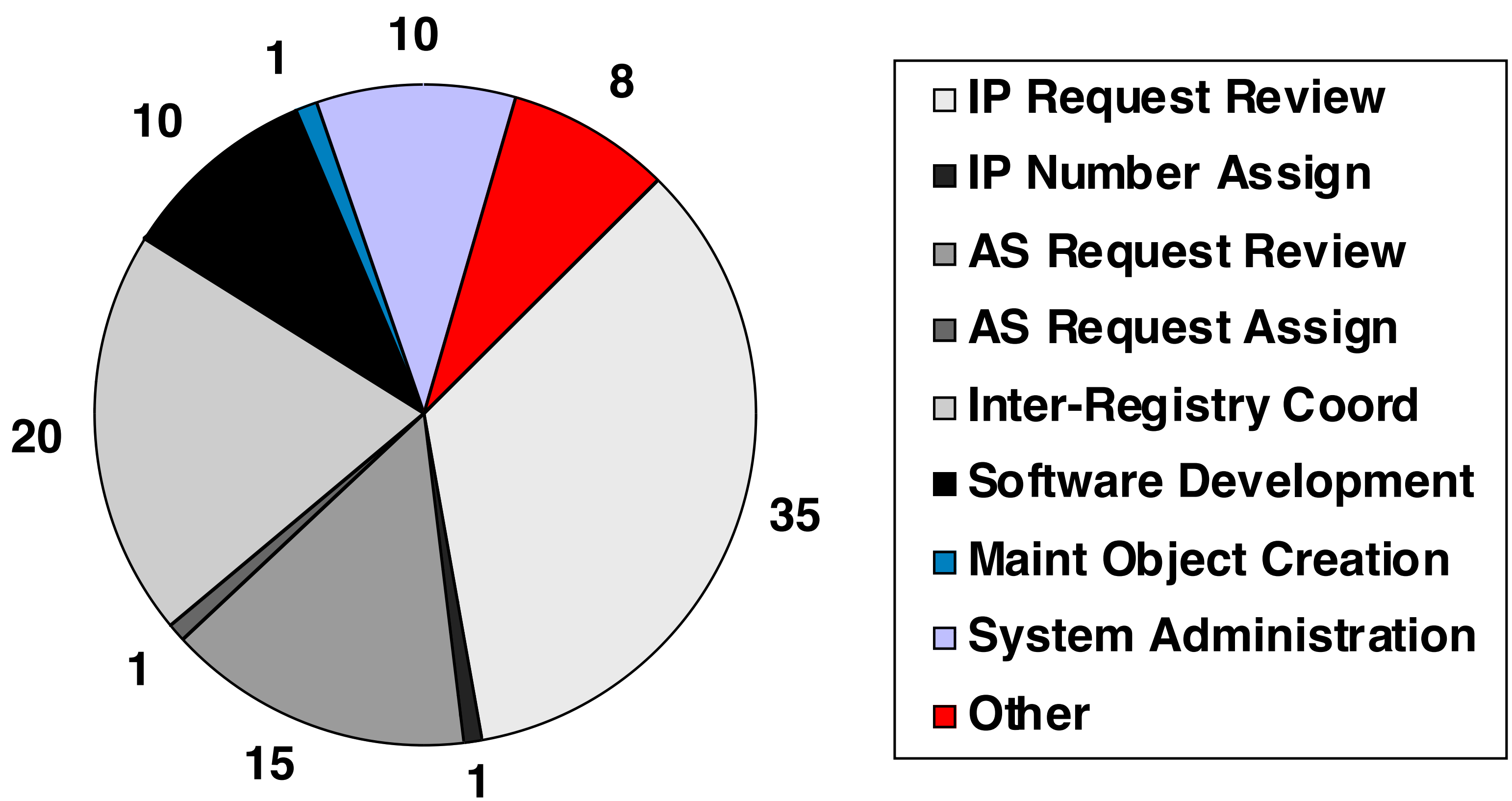
# Overview

- Activities Summary
- Budget Summary
  - » FY ‘95
  - » FY ‘96 Proposal
- Staffing Summary
  - » FY ‘95
  - » FY ‘96 Proposal

# Current APNIC Activities

- Registration Services
  - » IP address allocation/registration
  - » AS number allocation/registration
  - » Maintainer object allocation/registration
  - » in-addr.arpa delegation
    - – Handled by AUNIC
  - » Inter-registry coordination
  - » Software development

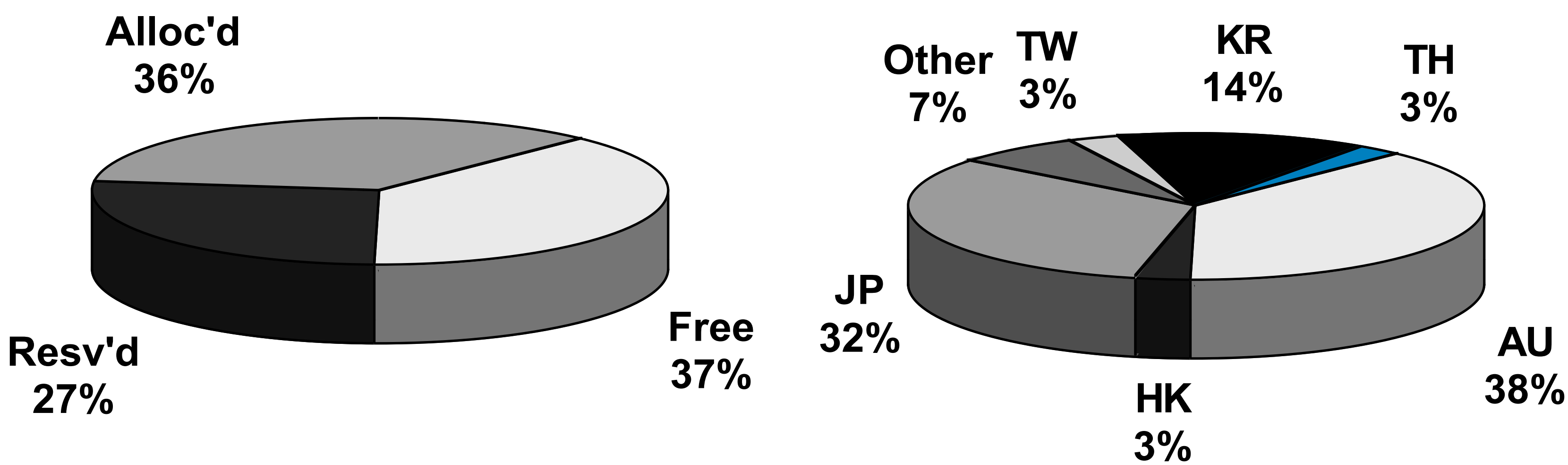
# Time Allocation



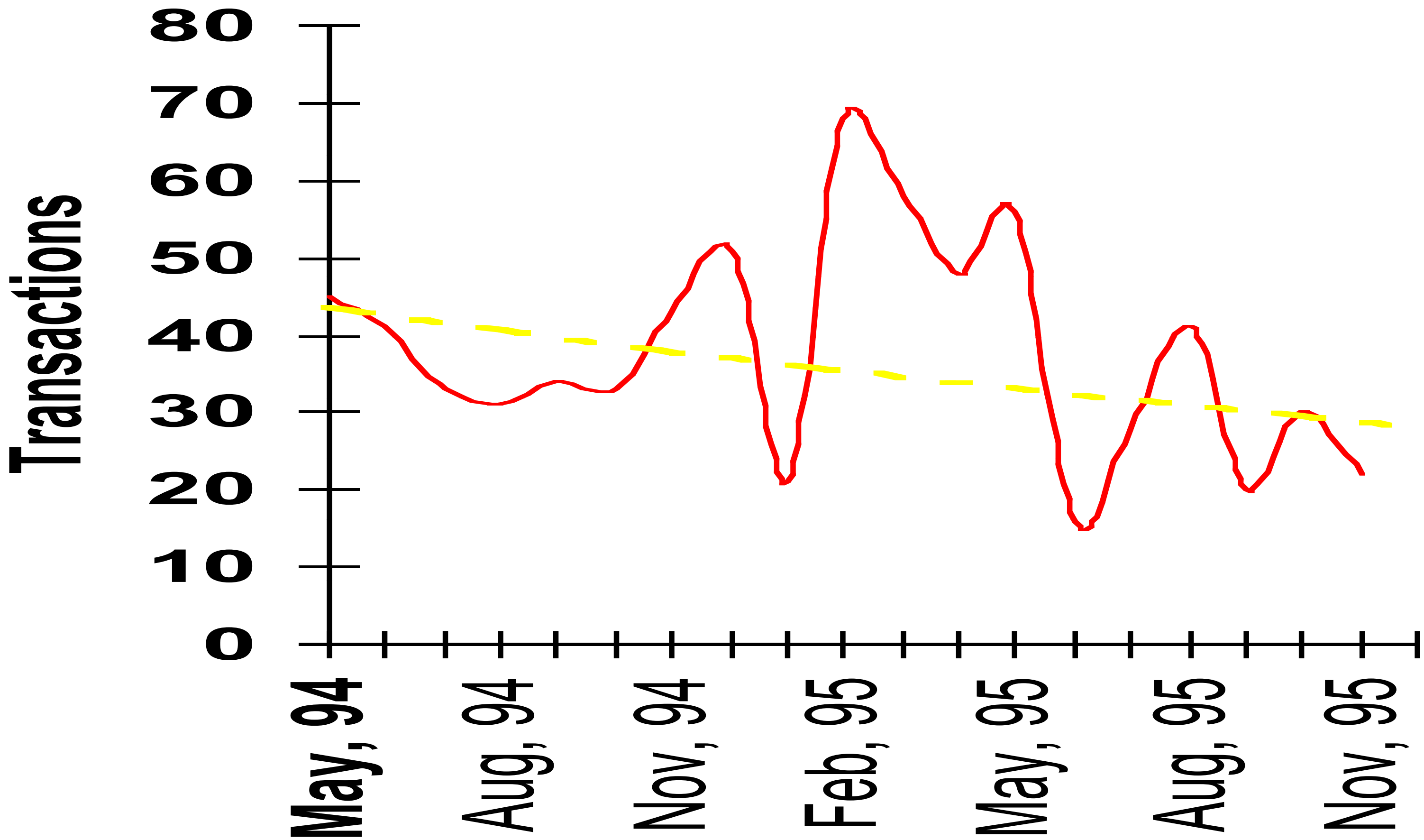
# IP Address Statistics

- IP Address Activities (as of Dec 20):
  - » Total number of allocations: 747
  - » Total number of nets assigned: 45473
    - – Assigned to end users: 5013
    - – Nets assigned to ISPs: 4044
    - – Nets delegated to Confederations: 36416

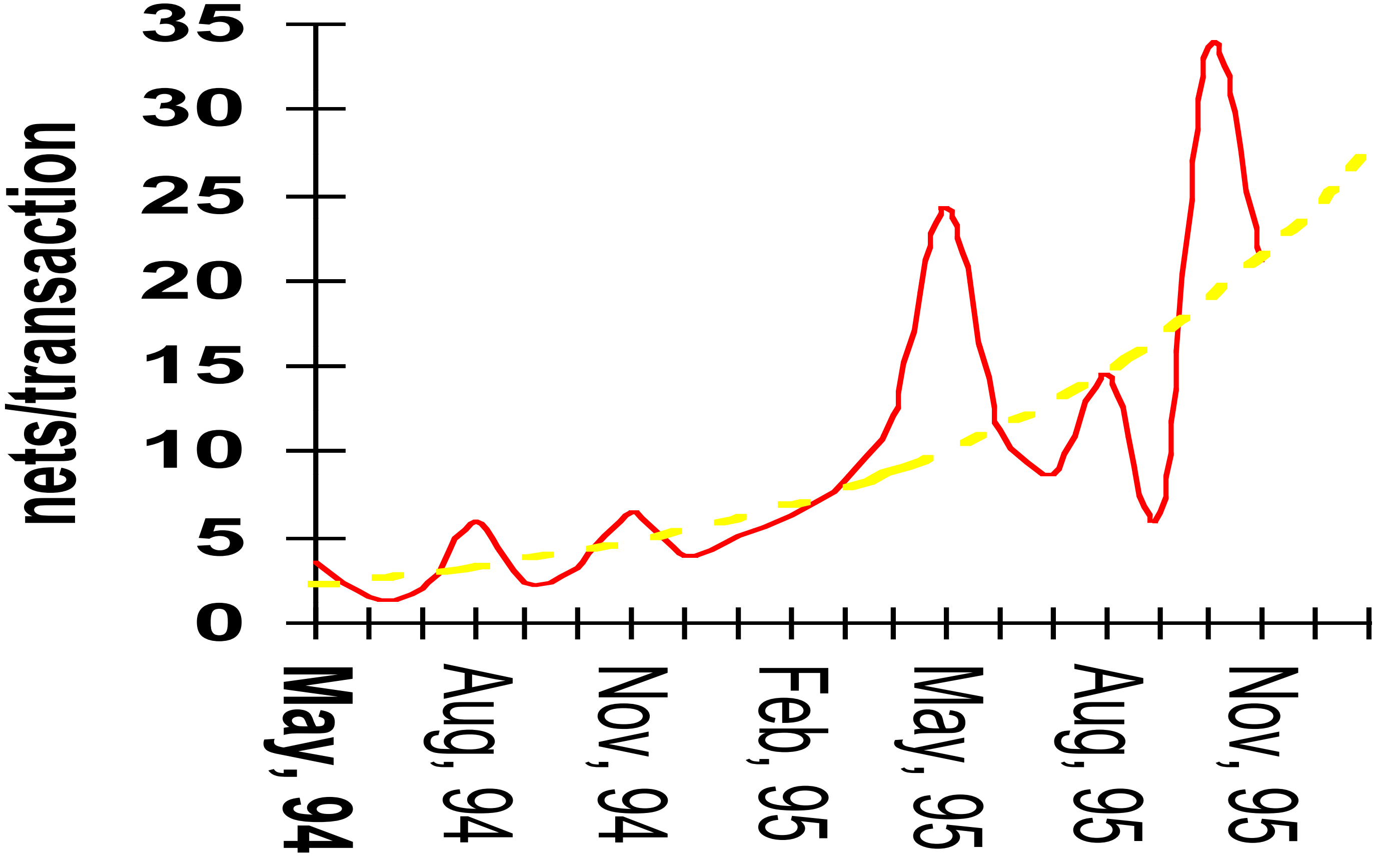
# IP Address Allocations



# IP Address Allocations

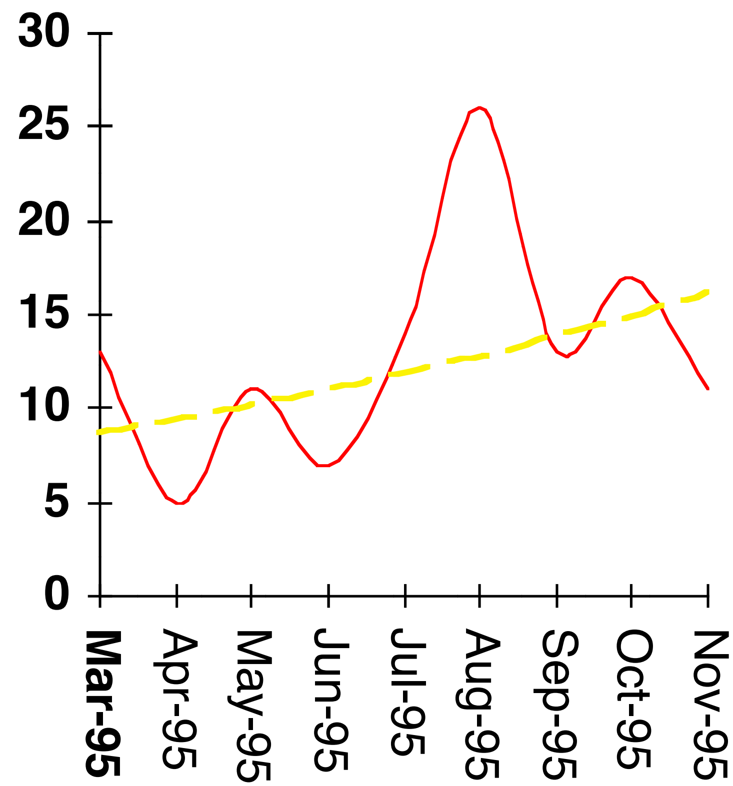


# Networks Allocated Per Transaction

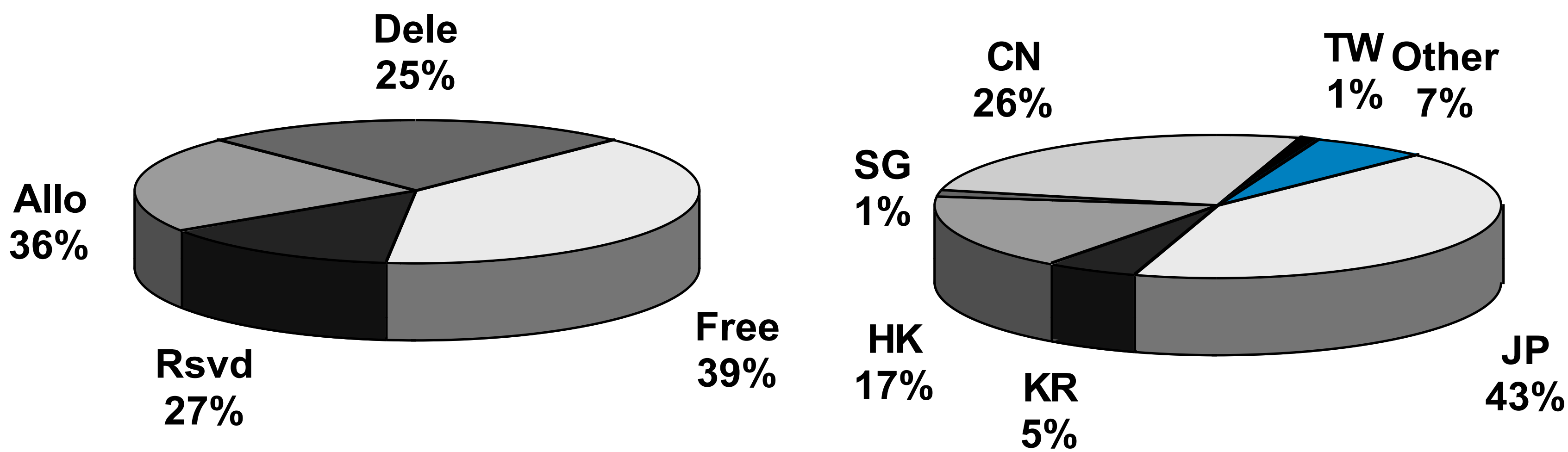


# Number of Service Providers

- Total Number of ISPs APNIC serves directly:
  125
- National confederations:
  - » JPNIC pNZNIC
  - » AUNIC pMYNIC
  - » KRNIC pTHNIC
  - » TWNIC pSGNIC



# AS Number Allocations




Total Number of ASes Delegated to APNIC: 256

# Inter-Registry Coordination

- assign-review@ripe.net
  - » IANA, RIPE-NCC, InterNIC, APNIC
- RFC 1466bis
  - » Now an Internet Draft
  - » New allocation/assignment policy
- Internet Infrastructure Meetings
  - » Nov 22: NSF
  - » Feb 2: ISOC/CIX

# Software Development

- Whois Server
  - » Current RIPE software does not handle
    - – Delegation of authority
    - – Hierarchical authorization
    - – Authentication
- Auto-responder
  - » Including a ticketing system
- Web interface

# FY ‘95 Fiscal Summary

- FY ‘95 Income: US $113,882.60
  - » 2 “Large ISP” contributions: $20,000.00
  - » 4 “Medium ISP” contributions: $20,000.00
  - » 5 “Small ISP” contributions: $12,500.00
  - » 0 “Enterprise” contributions: $0.00
  - » 2 “Other” contributions: $60,000.00
  - » 2nd APNIC Meeting receipts: $1,338.60

# FY ‘95 Fiscal Summary (cont’d)

- FY ‘95 Expenses: US $78,543.97
  - » Travel Expenses: $34,777.18
  - » Payroll Expenses: $23,368.80
  - » Equipment: $13,694.58
  - » Telephone Services: $3,173.99
  - » Other: $3,529.42

# For Reference

- FY ‘96 Registry Budgets (Approx):
  - » InterNIC: US $1.2 Million
    - – 12 Fulltime Staff
  - » RIPE-NCC: US $1.0 Million
    - – 9 Fulltime Staff
  - » IANA: US $0.3 Million
    - – 2 Halftime Staff
  - » APNIC: US $.0.25 Million

# FY '96 Budget Proposal

| FY 1996 Budget | Recurrent | | Monthly | Yearly | Comments |
|---|---|---|---|---|---|
| Staff | $175,000.00 | year | $14,583.33 | $175,000.00 | 3.5 FTE |
| Rent | $0.00 | month | $0.00 | $0.00 | Provided by UNU |
| Utilities | $0.00 | month | $0.00 | $0.00 | Provided by UNU |
| Phone Service | $350.00 | month | $350.00 | $4,200.00 | 2 ISDN lines |
| Phone equipment | $250.00 | year | $20.83 | $250.00 | TAs, phones, ans. mach |
| Net - local loop | $0.00 | month | $0.00 | $0.00 | Provided by Keio Univ. |
| Net - services | $0.00 | month | $0.00 | $0.00 | Provided by WIDE |
| Net - facilities | $3,000.00 | year | $250.00 | $3,000.00 | Router+Software |
| | $10,000.00 | year | $833.33 | $10,000.00 | HDs, Computers, etc. |
| | $100.00 | month | $100.00 | $1,200.00 | Maintenance contracts |
| | $2,500.00 | year | $208.33 | $2,500.00 | BSDI, SunOS, MS stuff, etc. |
| | $50.00 | month | $50.00 | $600.00 | Tech books, Trade rags, etc |
| Office supplies | $125.00 | month | $125.00 | $1,500.00 | Paper, toner, pens, etc. |
| Postal expenses | $100.00 | month | $100.00 | $1,200.00 | Documents, packages |
| | $2,500.00 | year | $208.33 | $2,500.00 | Lawyer fees |
| Furnishings | $1,000.00 | year | $83.33 | $1,000.00 | Chairs, Desks, etc. |
| Miscellaneous | $3,000.00 | year | $250.00 | $3,000.00 | Not mentioned above |
| Travel | $42,000.00 | year | $3,500.00 | $42,000.00 | 3/yr IETF, Ops, etc. |
| **Total** | | | $20,662.50 | $247,950.00 | |

# FY '96 Income Projections

| 1995 | Yearly | one time | Actual | Totals |
|---|---|---|---|---|
| Large | 10000 | 0 | 2 | 20000 |
| Medium | 5000 | 0 | 4 | 20000 |
| Small | 2500 | 0 | 5 | 12500 |
| Enterprise | 1500 | 0 | 0 | 0 |
| Other | | 60000 | 0 | 60000 |
| | | 0 | 11 | 112500 |

| Growth | 4 | Avg Size | 512 |
|---|---|---|---|

| 1996 | Yearly | one time | Estimates | Totals |
|---|---|---|---|---|
| Large | 10000 | 6000 | 8 | 80000 |
| Medium | 5000 | 12000 | 16 | 80000 |
| Small | 2500 | 15000 | 20 | 50000 |
| Enterprise | 250 | 4096 | 8 | 2000 |
| | | 37096 | 52 | 249096 |

# FY ‘95 Staffing Summary

- 1 Full Time Employee
  - » Yoshiko Chong Fong
- 2 Half Time Employees
  - » David Conrad
  - » Masaya Nakayama
- Problem:
  - » Insufficient personnel to handle system administration, R&D, and administrative functions

# FY '96 Staffing Proposal

- 3.5 FTE Employees
  - » 1 FTE Registration
  - » 2 x 0.5 FTE System Administration
  - » 1 FTE Administrative
  - » 0.5 FTE Research and Development
- Systems Administration and R&D can be AP region students in Japan
  - » Perhaps...

# Summary

- About 1/3 of the AP Region space remains
- APNIC recieved US $113,882.60
- APNIC spent US $78,543.97
- APNIC requests a budget increase of US $100,000 for FY ‘96
  - » Primarily to hire additional staff