



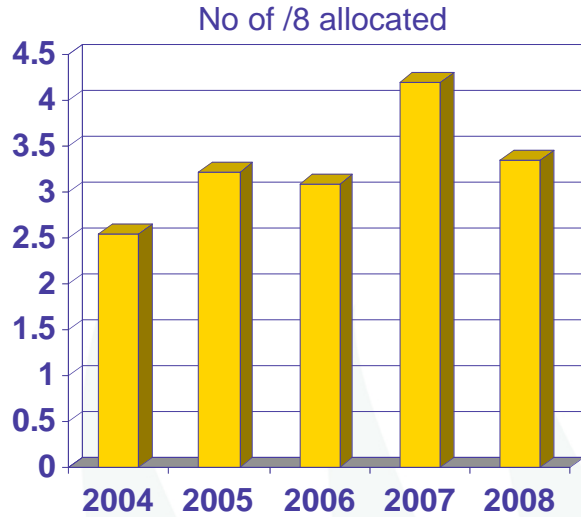
Services Area Highlights and Priorities

APNIC 26, Christchurch
Sanjaya

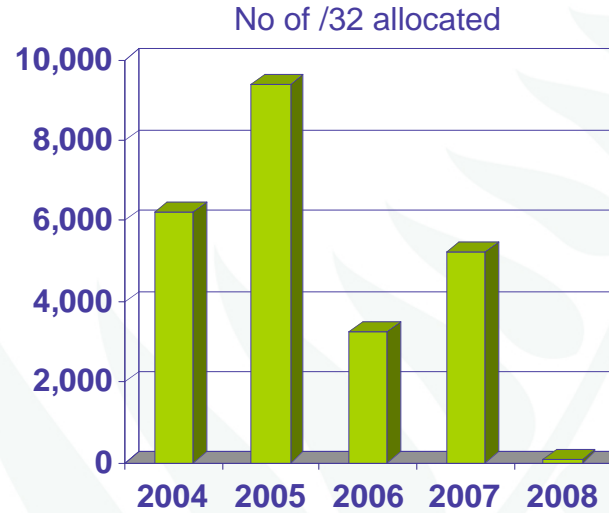
Overview

- Resource Services
- Member Services
- Project & Systems Services
- Software Engineering
- Network and Operations
- Research & Development
- Security

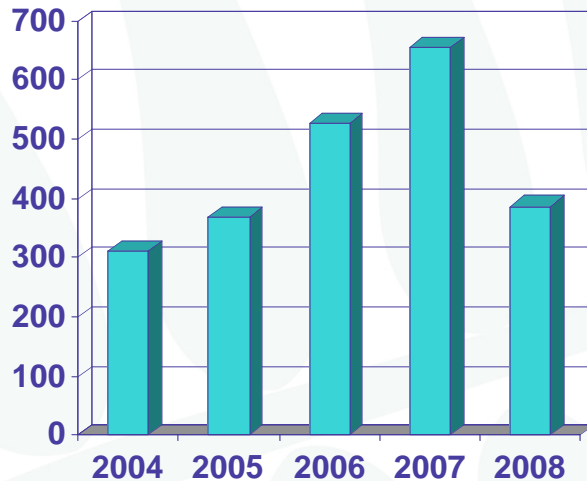
Resource Services (as of 31 Jul 08)



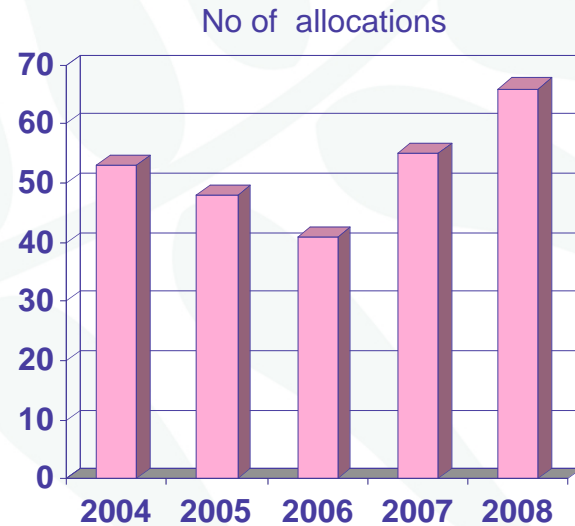
■ IPv4



■ IPv6



■ ASN



■ IPv6

Large request escalation

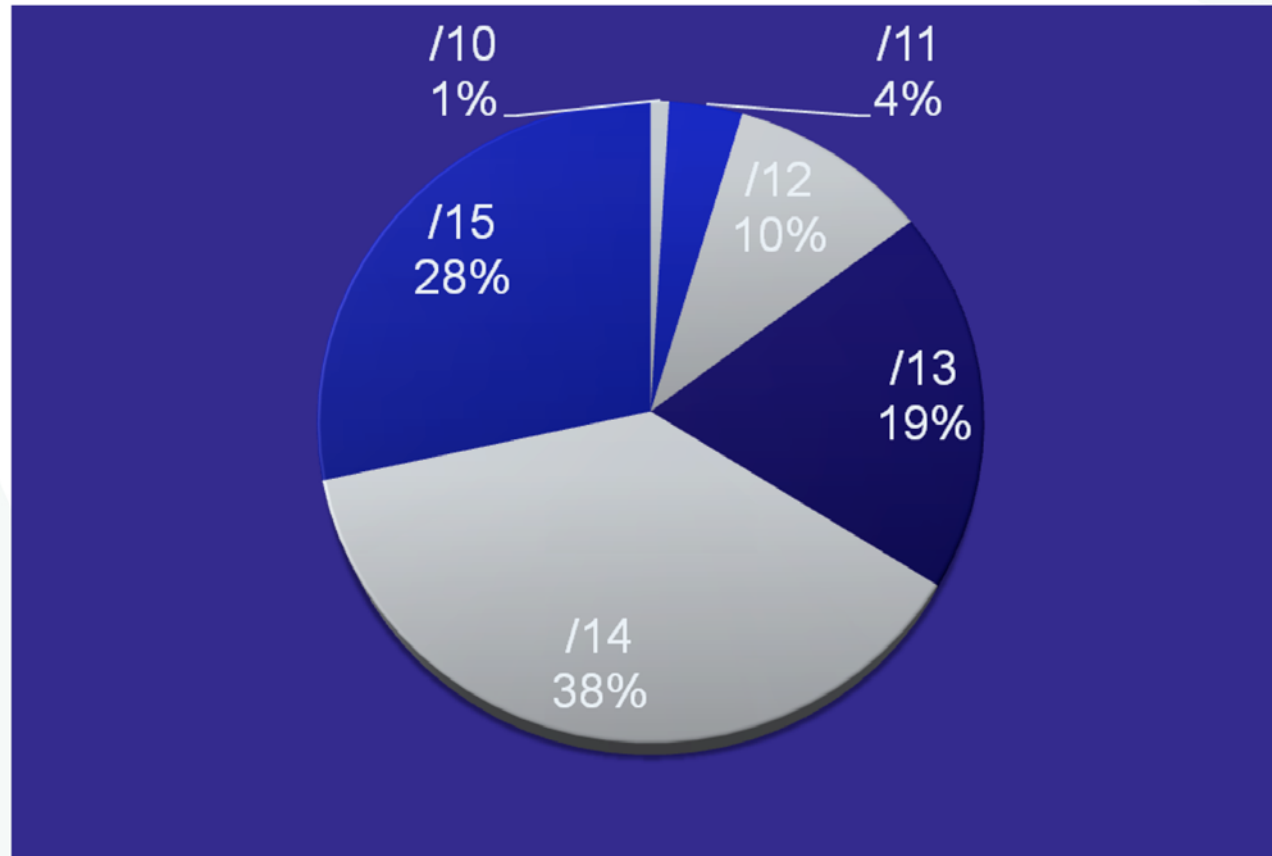
- Increasing large IPv4 requests for 3G, xDSL, private to public IP conversion.
- The escalation procedure uses the following rules:

Size	Review by
$\geq /19$	Peer hostmasters
$\geq /17$	Resource Services Manager
$\geq /15$	Senior Review Team

- Total escalations: 109
- Response time from managers is one to three working days.
- Procedure is reviewed from time to time.

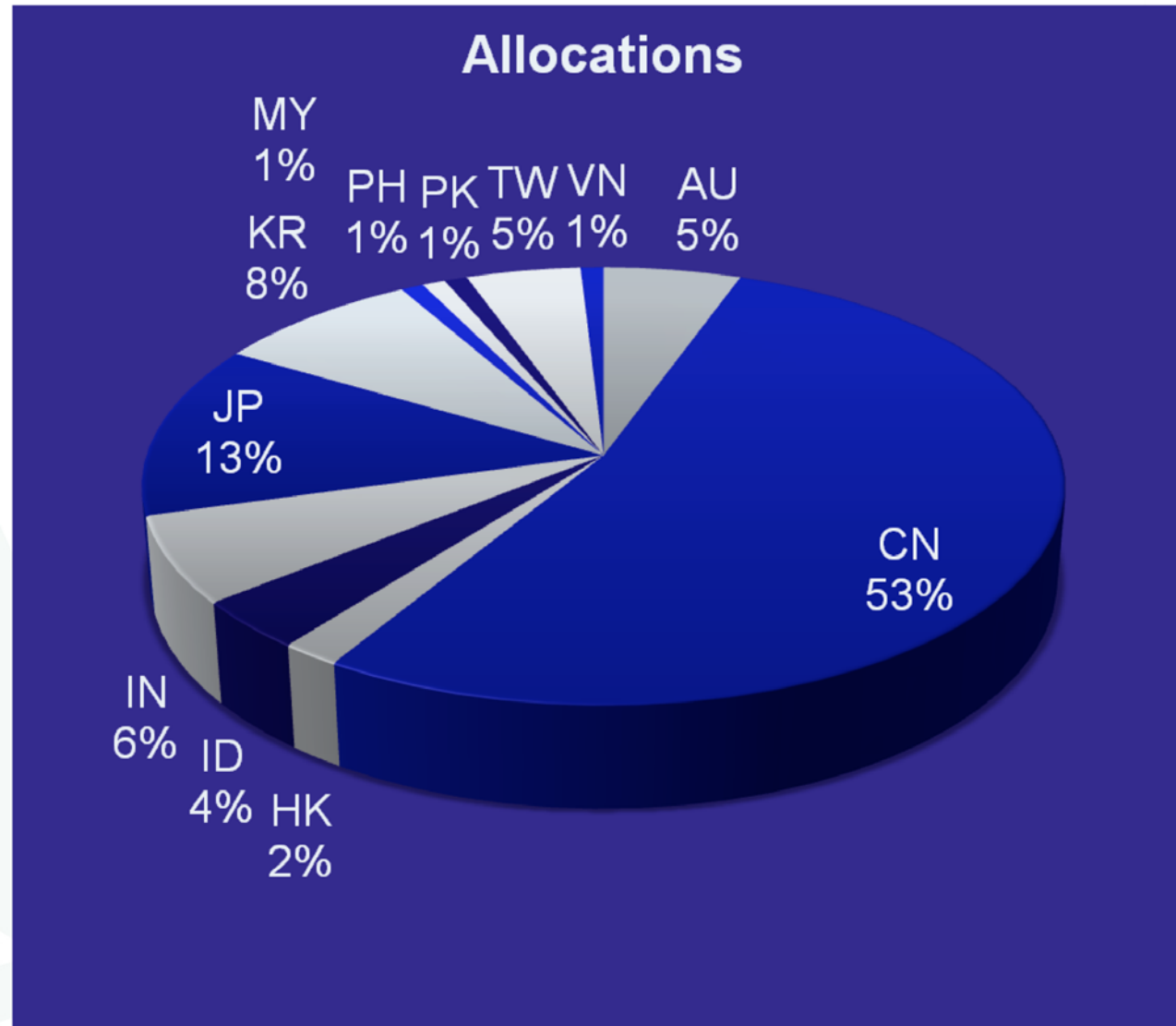
Escalation Statistics (allocations \geq /15)

Data from 1 Dec 2007 to 31 July 2008



Escalation Statistics (allocations \geq /15)

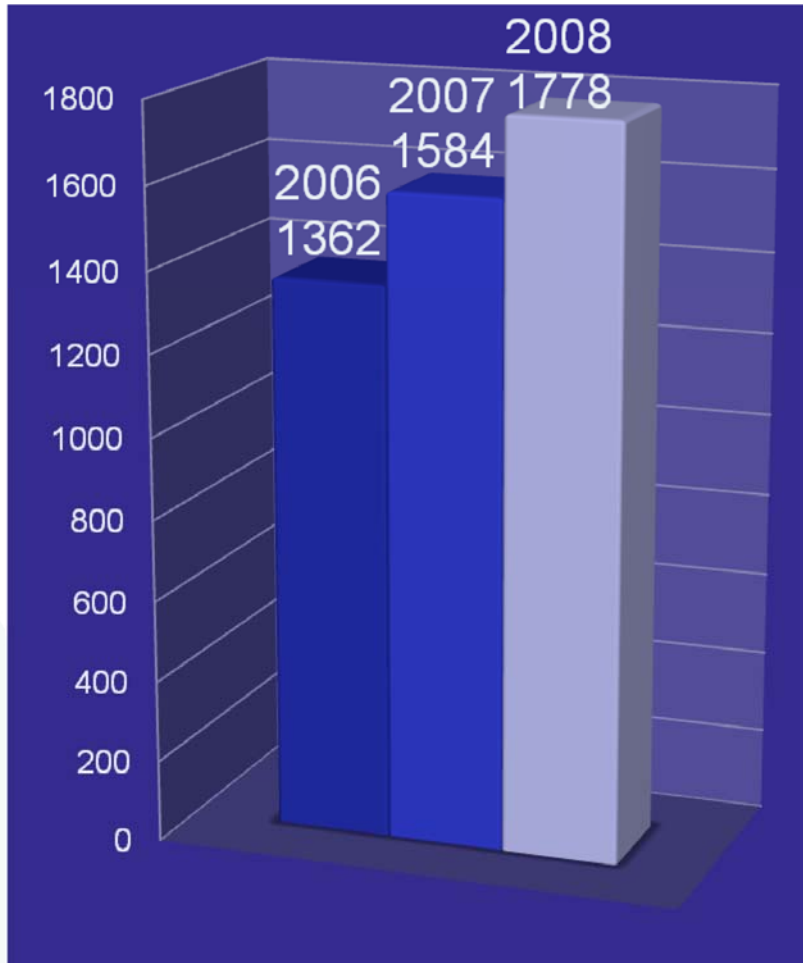
Data from 1 Dec 2007 to 31 July 2008



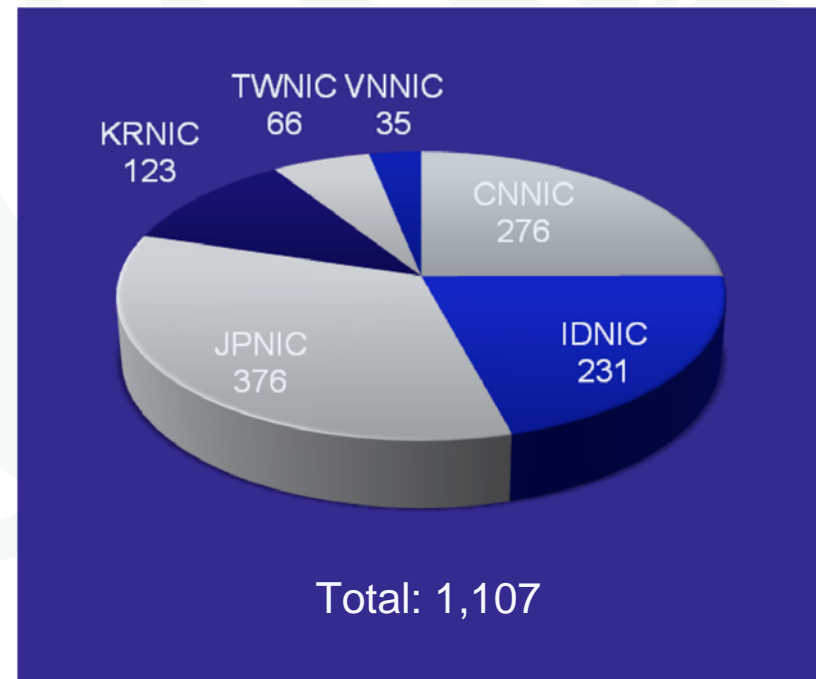


Member Services

APNIC members as of 19 Aug 08



NIR members Mar - July 2008



MyAPNIC v2 beta

- Public availability September 2008
- Main features
 - Allow a simpler user/password authentication in addition to X.509 certificate
 - While maintaining secured access to high privileged functions such as voting and resource certification
 - Resource Certification functions
 - Activate/deactivate service
 - Collection management (RFC3779 cert issuing)
 - ROA (route origin authorization) generation

Project and Systems Services

- 1st half 2008
 - Finance reporting systems integration
 - Email ticketing system upgrade
 - Event management system improvements.
 - MyAPNIC v2 beta installation
- 2nd half 2008
 - IPv6 enhancements to resource management system
 - Improvements to resource request processing

Software Engineering

- 1st half 2008
 - MyAPNIC v2 development
 - Faster on-site registration for events (barcodes, labels)
 - IPv6 resource management system enhancements
- 2nd half 2008
 - MyAPNIC user experience improvements
 - Streamlined resource request via MyAPNIC
 - Resource Certification: end customer certification in MyAPNIC

Network & Operations

- 1st half 2008
 - Resource Certification infrastructure
 - Better redundancy of public servers/services (web, whois, DNS)
 - Reverse DNS web services available to NIR
- 2nd half 2008
 - Improved internet connectivity for the Secretariat
 - Registry database resilience
 - DNSSEC prototype

Research & Development

- 1st half 2008
 - Participated in DITL 2008 (March)
 - 50TB of data fed into OARC/CAIDA from HK,JP, AU DNS
 - Resource Certification design, test and standards work
 - 8 drafts in IETF SIDR WG
 - 2Q deliverable: MyAPNIC hosted services
 - Deployed RIPE-NCC Test Traffic Measurement (TTM) node
 - Providing public NTP stratum-1 time service

Research & Development

- 2nd half 2008
 - Improved time, measurement services in region
 - Collaboration with RIPE-NCC (TTM project)
 - Continuing R&D inputs for strategic planning
 - Analysis of resource consumption, DNS, routing
 - Continuing work on Resource Certification
 - Further service developments, transfer processes

Security

- 1st half 2008
 - Improvements on APNIC physical security by implementing a CCTV system
- 2nd half 2008
 - Implementing the new Certification Authority system
 - Implementing the new APNIC authentication and authorisation model across multiple systems