



RIPE NCC Status

RIPE NCC Staff

presented by:
Axel Pawlik
Managing Director

Axel Pawlik

RIPE NCC General Meeting, 30 October 2001, Amsterdam

<http://www.ripe.net>

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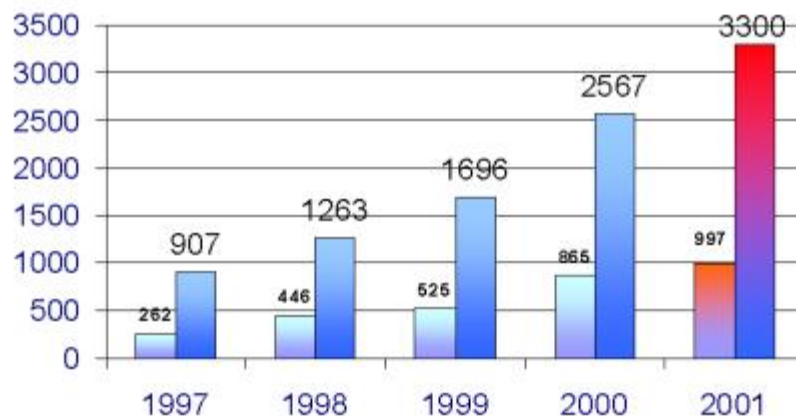
Outline

- Services & Co-ordination Activities
 - RIPE NCC Membership
 - Address Usage
 - RS / Wait Queue Statistics
 - Database
 - Test Traffic Measurement
 - ICANN / ASO
 - Communications
- New Projects
- RIPE NCC Next Steps & Priorities





New & Total LIRs 1997-2001





Total LIRs per Region



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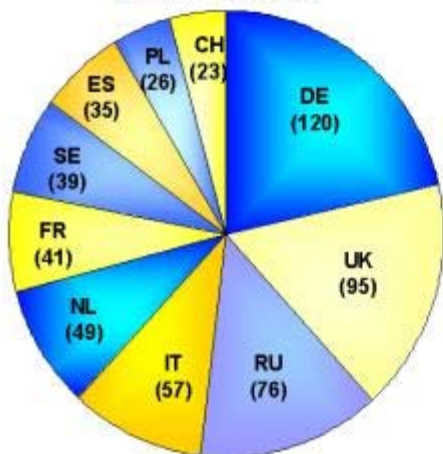


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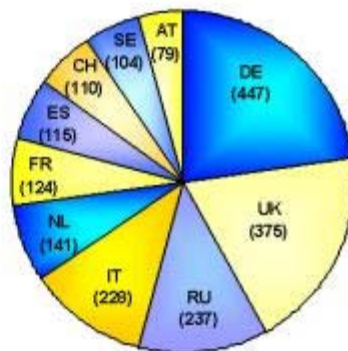


TOP 10 Countries

New LIRs
(last 12 months)



Total Membership



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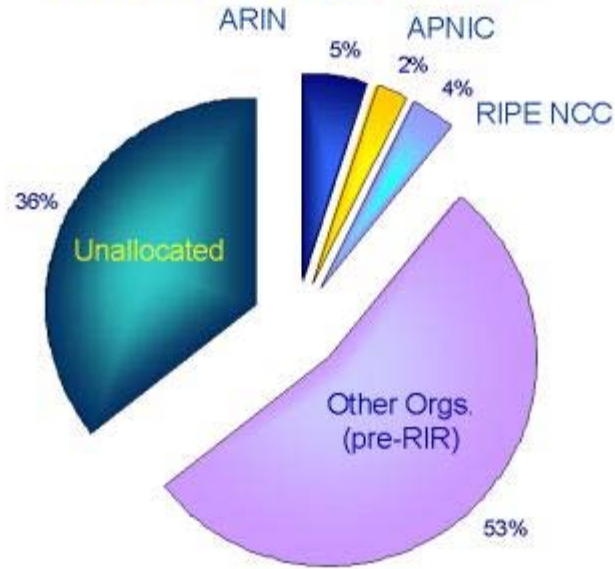
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IANA Delegations



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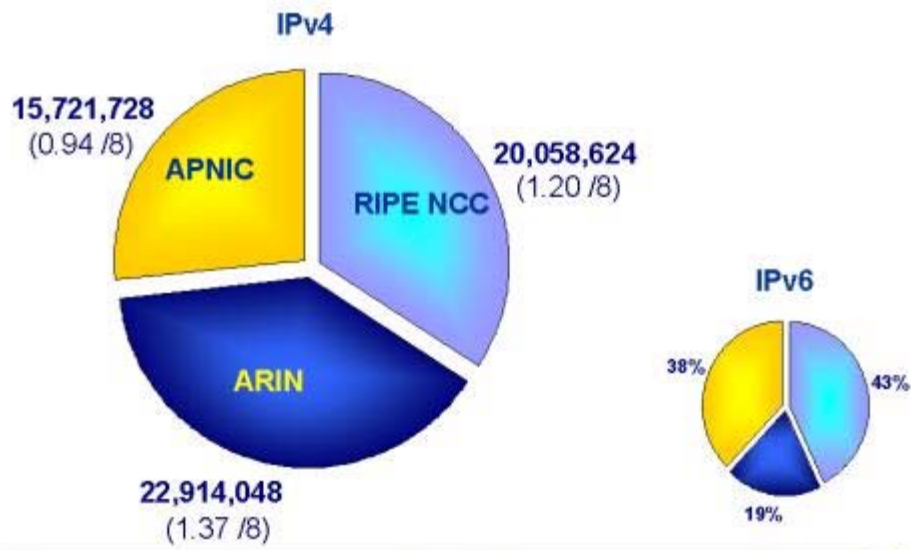
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Global Address Allocation 2001

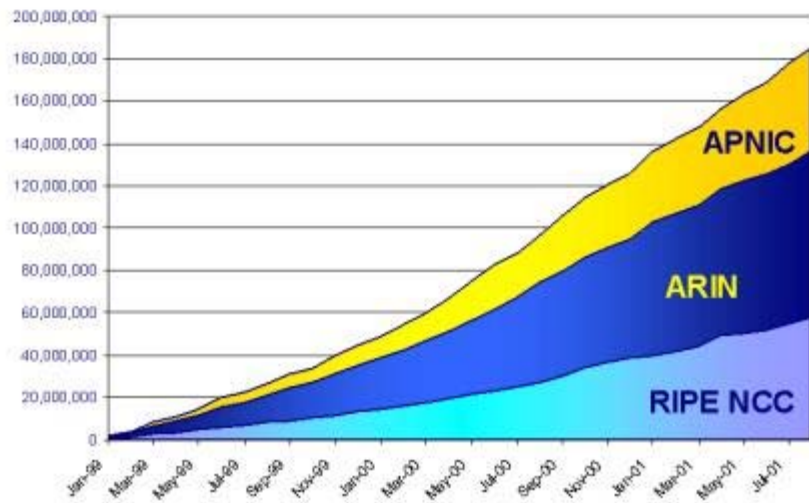


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Global Address Allocation 1999 - 2001

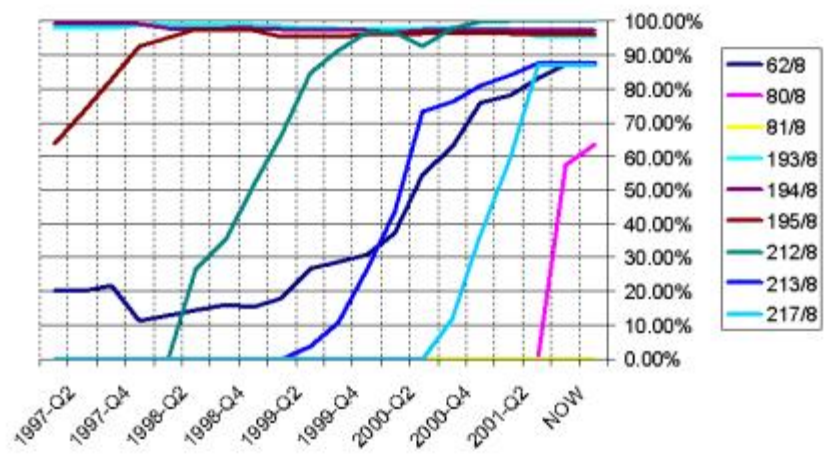


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RIPE NCC Address Space Usage





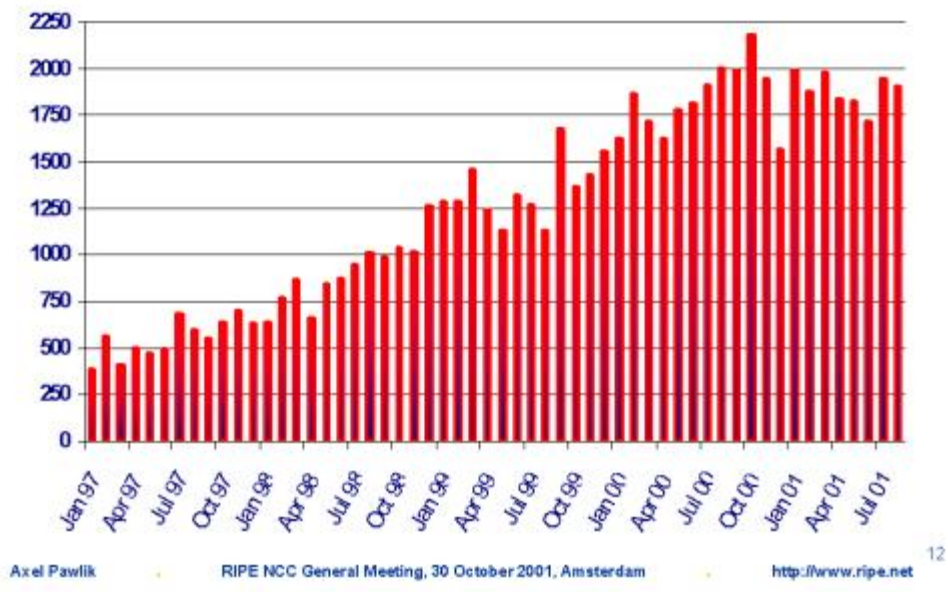
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Number of New Requests in <hostmaster@ripe.net>





Registration Services

- Staffing
 - FTEs from 16.9 (Oct 2000) to 24.5 (Oct 2001)
 - Hostmaster Trainer
 - Changed hostmaster training process
- Wait Queue
 - Hovering between 1 and 4 days, around 50 – 90 tickets.
 - Statistics becoming available

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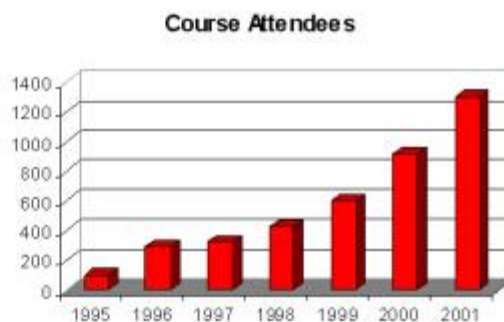


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Training

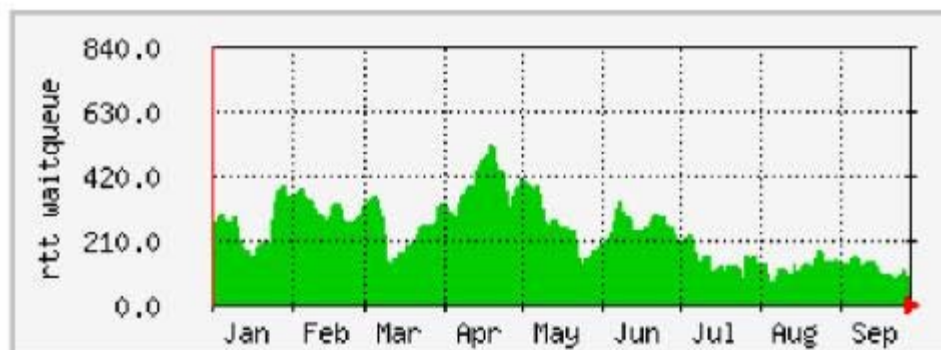
- **LIR Training**
 - 62 courses planned for 2001
 - 100 courses planned for 2002
- **Courses in Q4:**
 - Rome (IT), Budapest (HU), Dresden (DE), Madrid (ES), Amsterdam (NL), Copenhagen (DK), Cairo (EG)
 - 2002: Amsterdam (NL), Nairobi (KE) and many more...
- **Widening scope:**
DB interaction, DNSsec





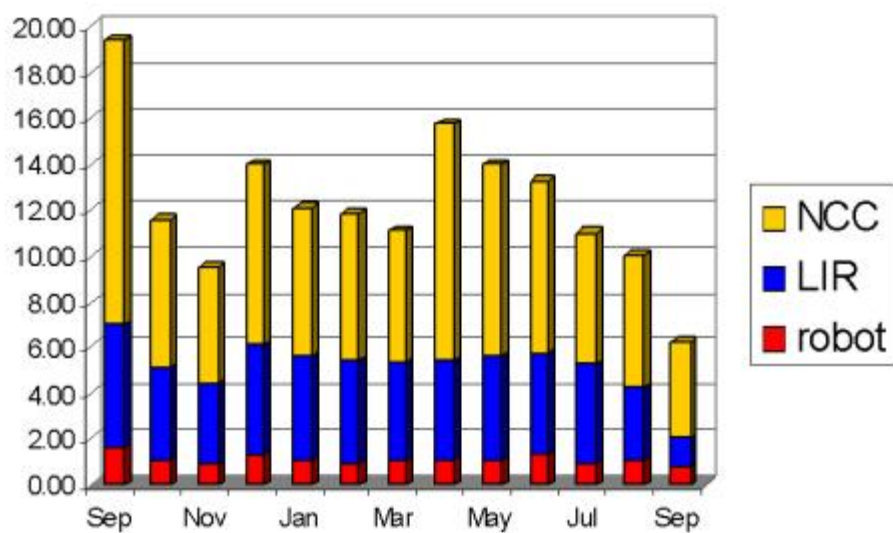
Wait Queue

- Amount of tickets in Hostmaster wait queue in 2001



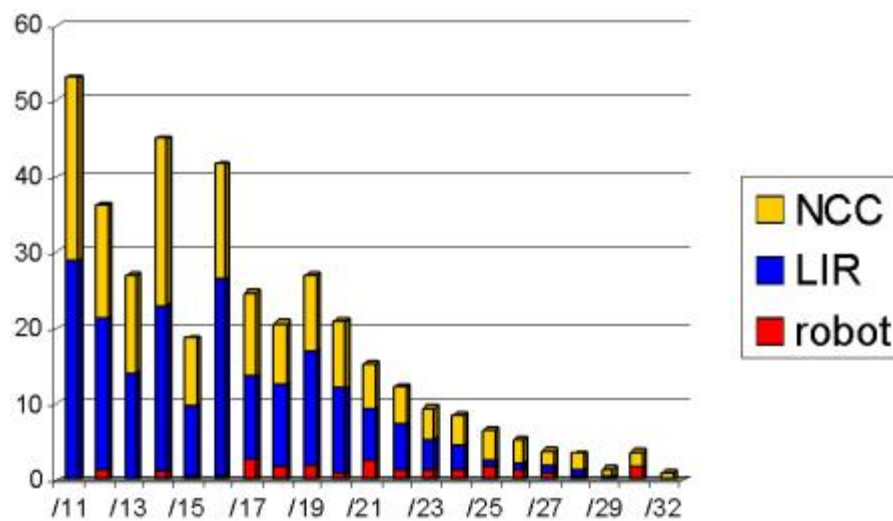


Request Fulfillment Time



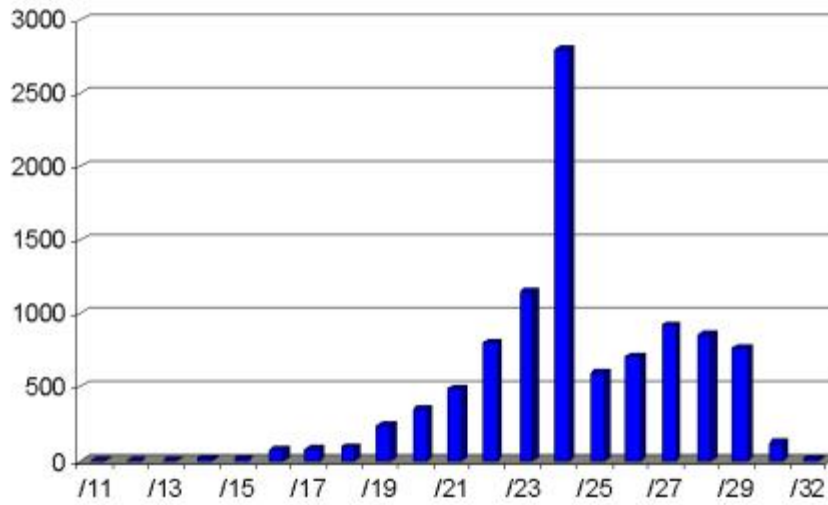


Fulfillment Time / Size





Requests by Size





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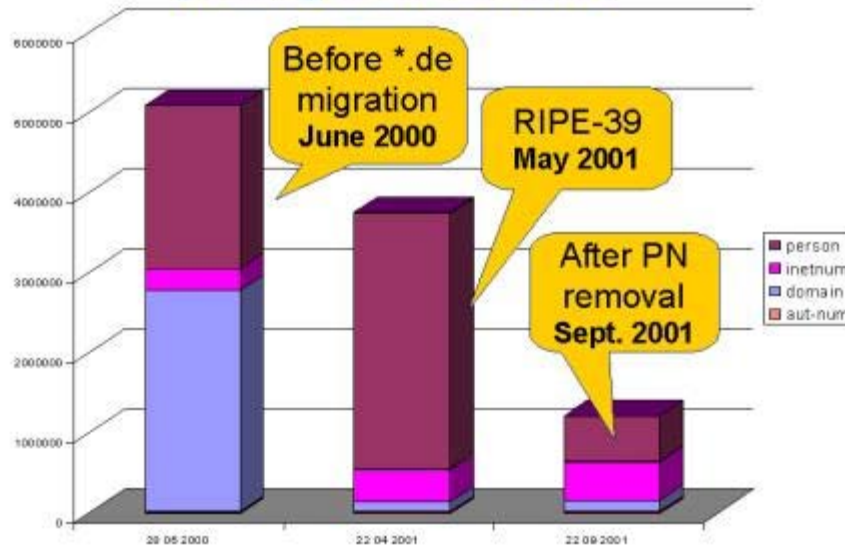
RIPE Database main events

- Migration to new DB software
 - completed on 15th of October
- Migration of major ccTLD registries completed
 - Domain data
 - 2.9M domain related person objects were removed





Database by Object Type (changes in content)



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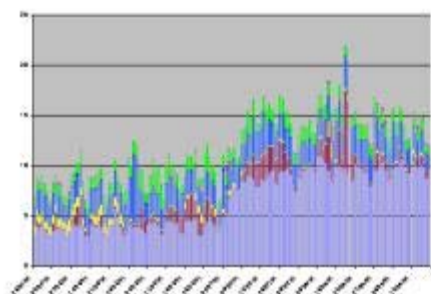
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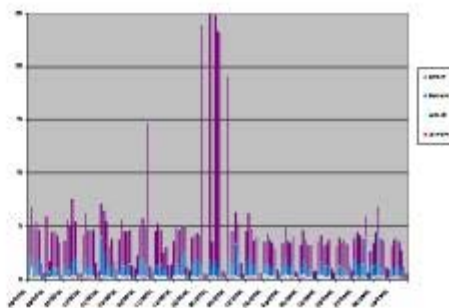


Extended Statistics



Updates by Type

Queries by Type





Other DB Projects

- Database Statistics & Consistency Project
 - new generation of DB Consistency project
 - extended statistics, publicly available soon
- RAToolSet migration to RIPE NCC
 - now known as IRRToolSet (irrtoolset@ripe.net)
 - <http://www.ripe.net/ripenncc/pub-services/db/irrtoolset/index.html>
- Routing Registry Consistency Check (RRCC)
 - no real progress due to high load related to DB transition.
 - expect good progress by Q1/02





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TTM Status

- Site Survey Tool
- Glossy Brochure
- Hardware for special cases
 - 2 network cards,
 - 48V power supply,
 - smaller box
- Analysis and new products
 - Summaries, Trends, Bandwidth, Jitter
 - Outside groups looking at the data

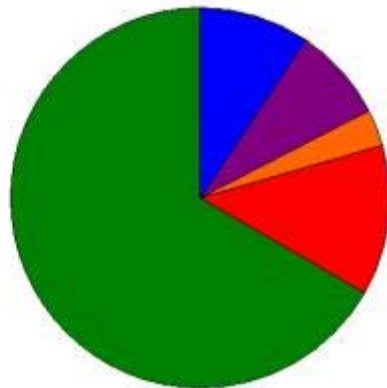




Status of the network Snapshot on 28/9/01, 10am

- Highest TB number: 71
- Old: 8
- 63 machines in the field

TB taking data: 42
TB being (re-) installed: 6
TB for evaluation purposes: 5
TB with short term problems: 2
TB with long term problems: 8



- Slow Growth in 2001
 - 63 boxes deployed
 - Customer Liaison Engineer, Marketing





TTM brushup

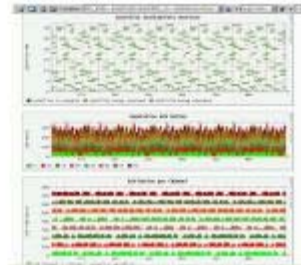
From ...



To...



Incoming data



GPS status

... and more





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ICANN / ASO

- **Attended ICANN Meetings**
 - ICANN AGM attended – Nov. 2000 – LA, US
 - ASO General Assembly Meeting - 4 April 2001 - SF, US
 - Regular Meetings:
 - Melbourne, AU / Stockholm, SE / Montevideo, UY / L.A., US
- **Hans Petter Holen elected for ASO AC (3 yr. term)**
- **New ICANN Director (ASO)**
 - Lyman Chapin (ARIN region)
- **Preparing ASO-Sec transfer to ARIN (2002)**
- **Root server agreement – pending**
 - k, LINX, London
- **ICANN Contract negotiations ongoing**





External Communications

- Annual Report 2000 – published
- Outreach activities / RIPE NCC awareness
 - Continued relations with Gov'ts and industry players
 - Planned meetings for DE and FI
 - Attendance at related industry events (e.g. IETF, IPv6, ENUM, Telecoms, mobile operator forums)
- RIPE / RIPE NCC identity





RIR Co-ordination

- IPv6 Policy Co-ordination
- RIR Workshop
 - Policy Co-ordination / Global Policy Matrix / Global Statistics
- Support for emerging RIRs
- Communicate emerging policy proposals globally
- Publishing joint articles in:
 - The Internet Protocol Journal
 - ISOC Newsletter
- Joint RIR reporting at ICANN GAC





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RIS Status & Plans

- Route Collectors in Amsterdam (2x), London, Geneva, Paris, Vienna, Tokyo
- RISreport online, website reviewed
- Customer Liaison Engineer
 - ~ 5 outside groups analysing the data for routing studies
 - Great data but not enough users: User training
 - "How could the RIS data be used in day-to-day operations?"
- Plans for 2002
 - Investigate where to install additional RRC's
 - Analysis of the RIS data
 - Route flapping
 - Black holes in IP address space
 - Growth of the routing table





DISI Status & Plans

- Tech-Sec RIPE Working Group established
- Developed / published DNSsec extensions to the Net::DNS Perl module
- Developed a DNSsec course
- Contributing to the IETF activities regarding DNSsec deployment
- Plans for 2002:
 - Organise a number (6+) of workshops in 2002
 - Implement DNSsec on the reverse tree asap
 - Documentation
- Conclusion: DNSsec not yet deployable.





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RIPE NCC Next Steps

- Develop RS metrics / statistics
- Complete RS document overhaul
- Finalise IPv6 policies & documentation
- Complete Database documentation
- Continue outreach activities
- Encourage RIS usage
- Enlarge TTM network
- Sign the ICANN contract...





RIPE NCC Priorities

- Ensure and further improve stable, reliable and high quality services
- Respond to members needs and propose and develop services as needed
- Further increase RIPE NCC and RIPE awareness





Questions and Answers



<http://www.ripe.net/ripencc/about/agm/agm2001/>





ICANN / ASO

- 1 ASO Address Council Nominee (RIPE NCC region)
 - Hans-Petter Holen
- New ICANN Director (ASO)
 - Lyman Chapin
IAB chairman 91-93, ISOC BoT founding member
 - Taking seat in October
- Preparing ASO-Secretariat transfer to ARIN
- ICANN Meetings
 - Montevideo, UY - Sept. 2001
 - Marina del Rey, US - Nov. 2001





RIR Co-ordination

- IPv6 Policy Co-ordination
- Publishing joint articles in:
 - The Internet Protocol Journal
 - ISOC Newsletter
- Joint RIR reporting at ICANN GAC
- We welcome APNIC & ARIN
- ... and also members of the AfriNIC group!





Communications

- Annual Report 2000 – published
- Outreach activities / RIPE NCC awareness
 - UK government meetings September
 - Planned meetings for DE and SE
 - Attendance at related industry events (e.g. IPv6 & mobile operator forums, ENUM)

